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## 1948 Greenwood County Extension Service Report

Clemson University Cooperative Extension Service

P. M. Garvin

E. G. Tate

Frank H. Hedden

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PROPERTY OF  
EXTENSION SERVICE  
OF SOUTH CAROLINA

# ANNUAL REPORT

## COUNTY AGENT WORK

GREENWOOD

County

SOUTH CAROLINA

1948

P. M. GARVIN

County Agent

E. G. TATE

Assistant County Agent

Assistant County Agent

FRANK H. HEDDEN

Farm Labor Assistant

CLEMSON AGRICULTURAL COLLEGE

Cooperating with

UNITED STATES DEPARTMENT OF AGRICULTURE

EXTENSION SERVICE

D. W. Watkins, Director

Clemson, South Carolina



ANNUAL REPORT OF COUNTY AGENT WORK

GREENWOOD COUNTY, SOUTH CAROLINA

1948

P. M. Garvin, County Agent

E. G. Tate, Jr., Assistant County Agent

Frank H. Hedden, Farm Labor Assistant

\*\*\*\*\*

Cooperative Extension Work in Agriculture and Home Economics

Clemson Agricultural College and the

United States Department of

Agriculture Cooperating

Extension Service

D. W. Watkins, Director  
Clemson, South Carolina

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## SUMMARY OF ACTIVITIES AND ACCOMPLISHMENTS

### GENERAL ACTIVITIES

1. Days agents spent in office-----	71 $\frac{1}{2}$
2. Days agents spent in field-----	370 $\frac{1}{2}$
3. Days agents worked-----	442
4. Miles agents traveled-----	14,972
5. Farm visits-----	1,006
6. Different farms visited-----	177
7. Office calls at agents' office-----	1,273
8. Telephone calls at agents' office-----	1,432
9. Meetings held or attended-----	175
10. Attendance at these meetings-----	5,396
11. No. communities in which extension work was conducted-----	9
12. Number farmers conducting demonstrations-----	239
13. Number voluntary community leaders assisting with program-----	80

### PROJECT ACTIVITIES AND RESULTS

#### Agricultural Economics

Two outlook meetings were held with 127 in attendance. Nine complete farm records were completed. Agricultural agents cooperated with farm credit agencies in lending \$107,475.00 to 174 farmers. One complete farm planning demonstration was conducted.

#### Soil Conservation

Agents cooperated with the Soil Conservation District in educational and demonstrational programs. Totals for the county under district agreements show now established, 661 farm plans, 1511 acres kudzu, 1569 acres sericea, 8816 acres improved pasture, 183,000 trees planted, 1710 acres terraced, 33 farm ponds built, 9504 feet of ditches dynamited, and 25 acres improved for wild life.

#### Agricultural Engineering

Thirty-seven farm building plans were furnished. A county wide tractor school was held attended by 114 and a county-wide combine school was held with 32 in attendance. A method demonstration showing use of dynamite was conducted on which 125 feet of ditch were blasted opening up 6 acres of land. A bull dozer was placed in the county for use in clearing new pastures and improving old ones. Assistance was given in planning and arranging the new farm exhibits building at the fairgrounds and a new auction barn built during the year at a cost of \$17,500. One cotton gin was inspected by the cotton gins specialist. 4-H Clubs were taught lessons on the use of electrical appliances by a representative of Duke Power Co.

#### Agronomy

One farmer conducted a corn fertilization demonstration showing use of nitrate fertilizer, in which it was shown 400 pounds per acre to be the economical rate at which to apply nitrate of soda. 70 tons of TVA nitrate were placed with 57 demonstrators to be applied to winter grazing. Eight farmers completed 5-acre cotton improvement demonstrations making an average yield of 762 pounds per acre.



### Agronomy (Continued)

The campaign for use of better cotton seed was continued. All ginneries in the county except two qualified to take samples for free grading and stapling of cotton. The Cotton Letter was mailed regularly to 127 cotton growers. Four farmers completed corn production demonstrations showing 32.6 bushels as an average per acre. Two farmers completed corn variety demonstrations each one using three kinds of corn seed. Three completed oats demonstrations showed an average yield of 32.2 bushels per acre, four wheat averaged 19.9 bushels, and four barley demonstrations averaged 27 bushels per acre. One farmer made an average of 70 bushels of grain sorghum per acre. Seven demonstrations in the production of legumes for hay averaged 1.2 tons per acre, three averaged 2.0 tons sericea hay per acre, and two averaged 1.9 tons kudzu hay per acre. Two farmers conducted demonstrations in the production of legumes for seed, making 333 pounds kobe lespedeza per acre and 240 pounds crimson clover per acre. Two farmers completed demonstrations in the harvesting of fescue seed with an average production of 138 pounds per acre. An average of 4.8 tons per acre of alfalfa hay was made by 3 demonstrators. Annual grazing crops were emphasized and nine demonstrations were completed. Three farmers kept permanent pasture records to reveal an average profit of \$182.72 per acre.

### Animal Husbandry

The freezer-locker plant cured 115,000 pounds of pork for farmers during the year. 26 4-H pig club members completed records with an average profit of \$9.08 per pig. 74 hogs were exhibited at the county fair. 10 beef bulls and 37 purebred and high grade females were placed during the year. Twenty-four clubsters made an average profit of \$41.85 on steers fed out and sold during the year.

### Dairying

Six purebred bulls were placed with farmers. Two silage production demonstrations were completed with an average cost of \$7.90 per ton. Farmers were assisted in buying and selling 168 head of dairy cattle to a total cost of \$37,152.00. 19 clubsters made a total of \$3,072.87 profit on their dairy projects. The fourth Jersey parish show was attended by 255 with a total of 98 entries in the show.

### Entomology and Plant Pathology

Assistance was given farmers in correction of soreshin in cotton. Two meetings were held to demonstrate use of weed killers. 1775 pounds of poison bait were placed in control of rats. 2 tons chlorinated champhene, 5½ tons BHC, 22 tons chlorodane were used to control boll weevil in addition to 10,000 pounds calcium arsenate. Farmers were assisted in an outbreak of the fall army worm. Four transferring and eight requeening demonstrations were given for local beekeepers. One demonstrator realized a profit of \$439.50 on 40 hives of bees.

### Forestry

23 woodland examinations were made. E. P. Boazman won district first prize on his 5-acre pulpwood thinning demonstration. 7 demonstrations attended by 50 were given in the proper planting of seedlings. Two lessons in forestry were taught in 4-H clubs. Joe L. Tolbert, Ninety Six, was awarded the title "Tree Farmer."



### Four-H Club Work

152 members were enrolled in 4-H club work, with 101 completing demonstrations, including 27 pig records, 24 beef, 19 dairy, 24 poultry, 2 corn, 3 garden, and 1 rabbit. Clubsters placed a total of 126 entries in three fairs to realize a gross in premiums won of \$1,273.83. The 4-H Achievement Day was held November 20th with 41 present. Two judging teams were trained. The Dairy Club was taken on a tour outside the county.

### Horticulture

The entire peach crop with exception of 10 acres was killed by late frost. Three growers were assisted in pruning peach orchards. Three 4-H clubsters completed garden records and motion picture films on gardening were shown in all 4-H clubs and at two adult meetings. 50 bushels of seed sweet potatoes direct from the breeder were placed with a view toward growing seed stock

### Marketing

Farmers were assisted in buying and selling surplus farm products, materials, and other supplies to a total of \$151,563.47.

### Poultry

The Sears Roebuck poultry chain was continued. 25 clubsters completed poultry demonstrations showing a total profit on 1545 chicks raised of \$656.67.

### Visual Instruction

Motion pictures were shown at 26 meetings attended by 460 adults and 1,713 clubsters. Photographs were made of activities and demonstrations as desired and educational agricultural exhibits were entered in three fairs.

### Publicity:

Total of 495 personal letters written; 32 circular letters prepared with 6,897 copies; 148 news stories; 29 radio talks given; 3,074 bulletins distributed; 3 farm tours conducted with 127 in attendance.

### Miscellaneous

Local organizations assisted included AAA, County Fair, Coordinated Farmers Club, and Granges.

## COUNTY EXTENSION ORGANIZATION

### Changes in Greenwood County Extension Staff

The following listed changes have occurred in the Greenwood County extension personnel during this year:

With the discontinuance of the Farm Labor Program, Frank H. Hedden, Labor Assistant, was moved from the county on January 1, 1948, after having worked in the county for only one month of this program year.

E. G. Tate, Jr., was appointed as assistant county agent on July 1st.

### Present Extension Staff

#### White Agents

P. M. Garvin, County Agent  
E. G. Tate, Jr., Assistant County Agent  
Elizabeth Herbert, County Home Demonstration Agent

#### Negro Agents

L. V. Walker, Negro Agricultural Agent  
Marie Kember, Negro Home Demonstration Agent

#### Other Agencies

County Agricultural Committee: The county agricultural committee lends some assistance to the extension service worker in formulating the program and plans for the county. Meetings of the entire committee are usually of a rather general nature, at which outlook information and reports are given. Most of the work of a specific nature is handled by the appropriate sub-committee. The following is a list of the members of the County Agricultural Committee:

G. E. Hawkins, Chm, Greenwood	W. A. Moore, Greenwood
J. D. Arrington, Ninety Six	C. W. Palmer, Rt. 4, Greenwood
H. W. Rodgers, Callison	S. W. Stockman, Rt. 1, Greenwood
W. A. Barnette, Greenwood	J. F. Tinkler, Ninety Six
G. D. Bell, Callison	J. R. Townsend, Hodges
S. H. Benjamin, Coronaca	H. T. Sloan, Ninety Six
H. T. Warner, Rt. 1, Greenwood	B. L. Connelly, Ninety Six
A. G. Wheeler, Ninety Six	E. P. Gullledge, Callison
V. L. Warner, Greenwood	J. J. Griffin, Rt. 1, Greenwood
W. N. Henderson, Ninety Six	J. S. Jones, Rt. 4, Greenwood
H. B. Kinard, Ninety Six	Harold Lumley, Rt. 2, Greenwood
J. M. Marshall, Greenwood	Sam Metts, Rt. 1, Greenwood
E. C. Templeton, Ninety Six	D. T. Joyce, Rt. 2, Greenwood
R. L. Steer, Bradley	G. H. Warner, Rt. 1, Greenwood
E. S. Tinsley, Hodges	P. P. Penn, Greenwood
Paul Lofton, Ninety Six	W. O. Noffz, Greenwood
J. R. Werts, Ninety Six	M. J. Rhodes, Greenwood

(Continued)



Carl Snipes, Rt. 1, Greenwood  
 George H. Davis, Greenwood  
 W. B. Murphy, Rt. 2, Hodges  
 Oscar M. Nickles, Hodges  
 Charles Sperry, Rt. 4, Greenwood  
 R. P. Higgins, Hodges  
 Mrs. Loudon Brooks, Greenwood  
 Mrs. R. L. Steer, Bradley  
 Mrs. S. W. Stockman, Rt. 1, Greenwood  
 Mrs. J. C. Richter, Greenwood  
 Mrs. E. C. Templeton, Ninety Six  
 Mrs. Carol Clegg, Callison  
 Miss Iris Wanda Miller, Ninety Six

John Warner, Rt. 1, Greenwood  
 Fred Henderson, Ninety Six  
 John B. Sloan, Greenwood  
 Joe F. Park, Rt. 2, Greenwood  
 John Bowen, Troy  
 J. H. Milford, Rt. 2, Greenwood  
 Mrs. G. E. Hawkins, Greenwood  
 Mrs. J. L. Williams, Ninety Six  
 Mrs. E. P. Sperry, Rt. 4, Greenwood  
 Mrs. S. M. Youngblood, Hodges  
 Mrs. L. C. Clark, Verdery  
 Mrs. P. B. Callison, Callison

#### Advisory Members:

W. F. Chapman, Vocational Agriculture, Greenwood  
 Johnson Craig, Soil Conservation Service, Greenwood  
 C. A. Montjoy, A.A.A., Greenwood  
 C. E. Cunningham, Fieldman, Greenwood,  
 Dan H. Gambrell, Farm Home Administration, Greenwood

#### Committees, Chairman Listed First

##### Marketing

G. E. Hawkins  
 W. A. Moore  
 John Sloan  
 G. H. Warner  
 E. S. Tinsley

##### Beef

Joe Park  
 W. A. Barnette  
 John Bowen  
 H. W. Rodgers  
 H. T. Warner  
 O. M. Nickles

##### Better Farm Living

Mrs. Loudon Brooks  
 Mrs. J. L. Williams  
 J. R. Townsend  
 G. D. Bell  
 Mrs. S. W. Stockman  
 M. J. Rhodes

##### 4-H Advisory

G. E. Hawkins  
 C. E. Cunningham  
 Iris Wanda Miller  
 Charles Sperry

##### Bees

W. O. Noffz  
 S. W. Stockman  
 J. J. Griffin  
 Mrs. R. L. Steer  
 J. D. Arrington

##### Hogs

C. W. Palmer  
 J. S. Jones  
 W. N. Henderson  
 J. R. Werts

##### Farm Labor

J. M. Marshall  
 Sam Metts  
 H. T. Sloan  
 P. P. Penn

##### Dairy

E. P. Gullledge  
 R. L. Steer  
 G. E. Hawkins  
 Harold Lumley  
 Earl Templeton  
 D. T. Joyce

##### Farm Machinery

George Davis  
 Fred Henderson  
 John Warner

##### Home Gardens

Mrs. S. M. Youngblood  
 Mrs. Carol Clegg  
 Mrs. Loudon Brooks  
 Mrs. Chris Richter  
 Mrs. Earl Templeton

##### Cotton Production

W. N. Henderson  
 S. H. Benjamin  
 Sam Metts  
 J. F. Tinkler  
 R. P. Higgins

##### Nutrition

Mrs. G. E. Hawkins  
 Mrs. P. B. Callison  
 Mrs. E. P. Sperry  
 Mrs. L. C. Clark

##### Poultry

H. B. Kinard  
 J. J. Griffin  
 V. L. Warner  
 W. B. Murphy



Community Agricultural Committees and Neighborhood Leaders:

Community	Neighborhood	Leader
Callison	Union	J. A. Banister, Sr., Bradley
		R. R. Dorn, Rt. 1, Callison
		J. A. Banister, Jr., Bradley
		Mrs. Dollie Mosley, Rt. 1, Bradley
Ninety Six	Phoenix	V. W. Hays, Box 1042, Greenwood
		H. O. Timmerman, Rt. 1, Greenwood
	Callison	J. H. Flynn, Callison
		W. H. Clegg, Callison
		Ralph Polattie, Callison
		C. C. Rodgers, Callison
		Mrs. J. B. Wrenn, Callison
	Kirksey	Pope Whatley, Rt. 2, Ninety Six
		W. C. Clegg, Callison
		L. M. Whatley, Callison
	Dyson	Mrs. W. B. Johnson, Callison
		J. McD. Kinard, Ninety Six
		Floyd Gambrell, Rt. 3, Ninety Six
Oak Grove	Ninety Six	J. E. Kinard, Ninety Six
		Mrs. W. N. Henderson, Ninety Six
		Larry Craig, Ninety Six
		R. S. Sanders, Ninety Six
		W. C. Turner, Ninety Six
	Sandridge	Henry Carter, Ninety Six
		E. Alexander, Ninety Six
		P. B. Callison, Ninety Six
		B. L. Rambo, Rt. 2, Saluda
		J. R. Darnell, Rt. 2, Saluda
	Fairview	L. L. Hasting, Rt. 2, Ninety Six
		C. A. Smith, Rt. 1, Ninety Six
Coronaca	Stoney Point	Mrs. W. F. Clark, Rt. 1, Ninety Six
		Chevis Sligh, Rt. 3, Ninety Six
	Coronaca	J. K. Thompson, Coronaca
		W. B. Compton, Rt. 2, Greenwood
	Saluca	Winfred Benjamin, Rt. 2, Greenwood
		Mrs. J. M. Motsinger, Coronaca
		W. H. Pooler, Rt. 3, Greenwood
		J. T. Calhoun, Rt. 3, Greenwood
		J. R. Clark, Rt. 3, Greenwood
		Mrs. F. E. Wells, Rt. 3, Greenwood
		Mrs. R. T. Calhoun, Rt. 3, Greenwood

Greenwood	Greenwood	Joe Neal Baughman, Rt. 1, Greenwood H. B. Compton, Rt. 2, Greenwood W. T. Burnett, Rt. 2, Greenwood C. L. Wells, Greenwood
	Lebanon	W. V. Anderson, Rt. 1, Greenwood Wm. J. Ethridge, Rt. 2, Ninety Six L. B. Aull, Greenwood C. H. Hollis, Greenwood P. M. Faris, Rt. 3, Greenwood
	Utopia	D. M. Milling, Rt. 1, Greenwood B. T. Dominick, Rt. 1, Greenwood Mrs. Margaret S. Kidd, Rt. 1, Greenwood Mrs. Floyd Wilson, Rt. 1, Greenwood
	Salak	W. H. Guy, Rt. 4, Greenwood William Darragh, Rt. 4, Greenwood Mrs. J. M. Herin, Rt. 4, Greenwood
	Woodlawn	R. S. Jenkins, Greenwood Mrs. B. F. Edwards, Rt. 4, Greenwood Mrs. S. B. George, Rt. 4, Greenwood
B	Buck Level Blakedale	H. G. Coursey, Rt. 2, Greenwood Grover Adams, Rt. 2, Greenwood Earl Cobb, Rt. 2, Greenwood
Hodges	Hodges Andrews Chapel	A. F. Holley, Rt. 2, Hodges Geo. L. Chapman, Rt. 3, Greenwood
Ware Shoals	Shoals Junction	L. B. Dunn, Shoals Junction C. E. Agnew, Donalds T. D. Burton, Rt. 1, Donalds
	Rileys	J. H. Huff, Hodges E. A. Riley, Rt. 3, Hodges W. L. O'Dell, Rt. 3, Hodges
	The Nation	M. B. Camak, Ware Shoals
Troy	Troy	R. A. Edwards, Troy J. M. Cox, Troy
Bradley	Verdery	R. C. Coleman, Verdery A. M. Tuck, Verdery E. P. Boazman, Verdery
	Bradley	S. T. Palmer, Bradley O. B. Creswell, Bradley
	White Hall	Olin E. Warner, Rt. 1, Greenwood
	Breezewood	William Luquire, Rt. 1, Greenwood



Special

At Large

C. A. Mays, Greenwood  
G. P. Callison, Greenwood  
J. Perrin Anderson, Greenwood  
L. B. Adams, Greenwood  
G. W. Biskey, Greenwood  
W. A. Moore, Greenwood  
B. S. Hodges, Greenwood  
W. H. Nicholson, Jr., Greenwood  
J. J. Abbott, Ware Shoals  
Sam M. Smith, Greenwood  
L. E. Cromer, Greenwood  
H. B. Morgan, Ware Shoals  
Geo. O. King, Greenwood  
L. N. McCord, Hodges

## State Agricultural Committee Representatives:

G. E. Hawkins, Greenwood  
Mrs. G. E. Hawkins, Greenwood



## PROJECT ACTIVITIES AND RESULTS

### AGRICULTURAL ECONOMICS

Work in agricultural economics and farm management in 1948 included Outlook meetings, complete farm records, cooperation with Farm Credit agencies, and farm planning demonstrations.

Outlook meetings: One county outlook meeting was held at the county court house on January 21st, at which time the men and women district agents presented the outlook information to 107 farm men and women of the county.

Following this meeting the county agent held an outlook meeting in the Woodlawn community with 20 farm men and women present.

Complete farm records: Nine Greenwood county farmers kept complete farm records on their operations in 1948. These records will be submitted to the extension farm management division for summary and analysis, the results of which when available, will be used in connection with corresponding records from other counties having a similar type of farming as a source of factual material for extension work in farm management, and in program planning in Greenwood county. A list of the nine farmers keeping complete farm records is given as follows:

#### List Complete Farm Record Demonstrations--1948

Name	Address	Size of Farm Acres	Predominant Type of Farming
J. D. Arrington	Ninety Six	184	Dairy, General
F. H. Cothran	Bradley	784	Dairy
G. E. Hawkins	Greenwood	234	Dairy, Poultry
J. S. Jones	Greenwood	176	Hog, Truck, Poultry
H. B. Kinard	Ninety Six	330	General, Livestock
Harold Lumley	Greenwood	184	Dairy, Cotton
Chas. W. Palmer	Greenwood	308	Hog, Dairy, Cotton
J. L. Williams	Ninety Six	330	Cotton, Livestock
G. E. Moore	Greenwood	147	Grain, Livestock

Cooperation with farm credit agencies: The county agents cooperated with the Greenwood Production Credit Association and the Farm Home Administration in their work of extending farm credit to the farmers of Greenwood county.

The county agents have throughout the year advised farmers with reference to these sources of credit and aid, when called on for such information by the farmers. Following is a summary of the loans made by these agencies:

#### Summary Loans Made by Production Credit Agencies--1948

Agency	No. Farmers	Amount
Production Credit Association	87	\$ 88,635.00
Farm Home Administration	87	18,840.00
TOTAL	174	\$107,475.00

Farm planning demonstration: In cooperation with the agronomy division and the livestock division, the county agent worked out farm plans for one farm, this being a case where the farm is making a complete change over from dairy cattle to beef cattle. The following is the summary of this demonstration:

Farm Planning Demonstration--1948

Name	Address	Acres in Farm
Connie Maxwell Children's Home	Greenwood	750

TVA Farm Unit Test Demonstrations: Cooperative work between the Extension Service and the Tennessee Valley Authority was continued in 1948. These demonstration farms were established to demonstrate the value of a definite program of land-use adjustment in the use of soil and water conservation. Each farmer keeps a complete farm account record of his business transactions. A summary of the planning of these farms is given as follows:

Summary TVA Farm Planning Demonstrations--1948

Name	Total Acres Operated	Acres of Cropland	Acres Open Pasture	Cropping Plan Started
J. D. Arrington	194	101	22.5	1938
F. H. Cothran	604	158	51	1940
G. E. Hawkins	234	107	50	1940
J. S. Jones	176	87	10	1938
H. B. Kinard	330	136	114	1938
Harold Lumley	184	125	43	1939
G. E. Moore	147	83	31	1944
Chas. W. Palmer	308	163	50	1940
J. L. Williams	330	217	55	1938

On the following pages will be found the summary of the 1947 farm records of TVA demonstrators, as prepared by the farm management division.



## A Comparison of Unit Test-Demonstration Farms of Greenwood County, 1947

Item	(1)	(2)	(3)	(4)	(5)	
Labor income, dollars	1950	- 183	458	4597	529	
Receipts, dollars	7185	13,515	5,140	18,018	12,290	
Expenses, dollars	4547	12,712	4,061	12,490	11,007	
Farm income, dollars	2638	802	1,078	5,528	1,284	
Farm income per \$100 invested, dollars	15	3	7	24	7	
Receipts per \$100 invested, dollars	42	55	33	77	70	
SIZE:						
Crop acres	63	76	81	174	111	
Crop acres and open pasture	106	131	91	264	169	
Total acres in farm	206	196	186	390	218	
Acres of crops	79	146	122	248	144	
Investment	17,193	24,625	15,509	23,256	18,865	
Work animals	1	1	2	2	4	
Man-work units, total	197	1,128	428	1,559	1,552	
Animal units productive	4.1	46.1	17.3	28.6	44.4	
PRODUCTIVITY:						
Crop yield index	136	72	121	148	123	
Cash crop yield index	140	59	186	131	126	
Lint cotton per acre, pounds	-	-	540	408	296	
Yield corn per acre, bushels	40	-	40	27	19	
Yield oats per acre, bushels	40	-	15	30	25	
Yield wheat per acre, bushels	23	-	17	23	24	
Yield hay per acre, tons	.7	.5	1.0	1.8	1.5	
Yield barley per acre, bushels	30	22	20	42	-	
Dairy sales per cow, dollars	0	305	0	286	217	
Income per sow, dollars	0	0	602	0	0	
Egg income per hen, dollars	7.04	5.33	0	9.90	0	
LABOR EFFICIENCY:						
Man-work units per man	78	267	132	176	269	
Percent work done by sharecroppers	0	0	19	23	19	
Horse-work units per horse	51	77	64	177	68	
LAND EFFICIENCY:						
Percent of farm in cropland and open pasture	51	67	49	68	78	
Acres of crops per cultivated acre	1.25	1.92	1.50	1.43	1.30	
DIVERSITY:						
Percent of receipts from cotton	0	0	16	38	21	
Percent receipts from livestock	31	89	48	54	55	
Acres of cropland per animal unit	15.4	1.6	4.7	6.1	2.5	
Acres of open pasture per A.U. (cattle)	43.1	1.3	1.9	3.9	1.4	
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:						
Milk cows	1. J. D. Arrington	0.5	28.0	3.5	15.0	33.0
Other dairy cattle	2. G. E. Hawkins	0.5	25.5	2.0	15.0	17.5
Beef cows	3. J. S. Jones	0	0	0	0	0
Other beef cattle	4. H. B. Kinard	0	0	1.0	0	0
Brood sows	5. Harold Lumley	0	0	5.0	0	0.5
Other hogs		0	5.0	57.5	2.0	4.5
Hens		313	288	46	520	111
Other poultry		0	0	0	0	0



## A Comparison of Unit Test-Demonstration Farms of Greenwood County, 1947

Item	(6)	(7)	(8)	( )	( )
Labor income, dollars	5,131	- 1,440	- 1,742		
Receipts, dollars	11,431	12,534	8,282		
Expenses, dollars	5,536	12,766	8,759		
Farm income, dollars	5,896	- 233	- 477		
Farm income per \$100 invested, dollars	31	- 1	- 2		
Receipts per \$100 invested, dollars	60	42	26		
SIZE:					
Crop acres	121	160	229		
Crop acres and open pasture	151	211	317		
Total acres in farm	410	700	509		
Acres of crops	142	285	309		
Investment	19,113	30,188	31,622		
Work animals	7.0	2.0	5.5		
Man-work units, total	656	1,393	1,320		
Animal units productive	24.3	46.4	19.6		
PRODUCTIVITY:					
Crop yield index	144	110	104		
Cash crop yield index	120	-	104		
Lint cotton per acre, pounds	345	-	271		
Yield corn per acre, bushels	44	-	20		
Yield oats per acre, bushels	30	25	23		
Yield wheat per acre, bushels	20	-	17		
Yield hay per acre, tons	2.5	1.0	1.0		
Yield barley per acre, bushels	40	22	-		
Dairy sales per cow, dollars	30	306	0		
Income per sow, dollars	681	266	220		
Egg income per hen, dollars	6.18	5.63	0		
LABOR EFFICIENCY:					
Man-work units per man	220	219	155		
Percent work done by sharecroppers	42	0	0		
Horse-work units per horse	42	114	114		
LAND EFFICIENCY:					
Percent of farm in cropland and open pasture	37	30	62		
Acres of crops per cultivated acre	1.17	1.78	1.35		
DIVERSITY:					
Percent of receipts from cotton	25	0	76		
Percent receipts from livestock	59	84	11		
Acres of cropland per animal unit	5.0	3.4	11.6		
Acres of open pasture per A.U. (cattle)	3.1	1.2	5.4		
DISTRIBUTION OF PRODUCTIVE LIVESTOCK:					
Milk cows	5.0	29.5	1.5		
Other dairy cattle	6.5	23.5	.5		
Beef cows	0	0	12.0		
Other beef cattle	2.0	0	10.0		
Brood sows	8.0	3.0	2.0		
Other hogs	114.5	10.0	9.0		
Hens	140	225	65		
Other poultry	0	0	0		



## SOIL CONSERVATION

Soil conservation work for the year was conducted in cooperation with the Greenwood County Soil Conservation District. The Soil Conservation Service is cooperating with the district and three technicians are assigned to this county: Johnson Craig, B. C. Russell, and G. H. Epting.

Supervisors: The supervisors of the Greenwood County Soil Conservation District meet monthly to transact business and the county agent usually attends their meetings. The supervisors for this district are

H. T. Warner, Chairman  
J. H. Milford  
W. N. Henderson  
R. L. Steer  
G. E. Davis

Meetings and field work: There has been very close cooperation between the extension service and the soil conservation service in working toward improving permanent pastures and seeding a record acreage of winter grazing crops, also in the purchase of a bull dozer for clearing potential pasture land. This bull dozer was purchased during the summer and has been kept busy clearing pasture lands and smoothing rough spots in permanent pastures. This machine is in charge of J. J. Griffin, local farmer. The charge for work is \$12.50 per hour to the farmer, and as sufficient money has been raised, the machine will be long to the local man who runs it.

Summary of Soil Conservation Work: The following tables give the summary of soil conservation work.

Summary Extension Activities in Soil Conservation

1. No. Group Conferences Extension and SCS technicians in county.....	3
Attendance at these conferences.....	22
2. No. community meetings with soil conservation district work.....	1
Attendance at these meetings.....	75
3. Method demonstrations, establishing practices.....	2
Attendance at these demonstrations.....	109
4. No. farms on which county agent assisted with soil cons. planning.....	3
5. Informational circular letters.....	2
6. Informational news articles.....	12
7. No. bulletins distributed.....	62
8. No. radio programs.....	2
9. Soil conservation programs with 4-H clubs.....	15



Summary Soil Conservation District Activities - 1948

1. No. Farmers Building Terraces with Farm Equipment.....	85
No. Acres Terraced.....	525
No. Farms on which Work was done.....	85
2. No. Blade-Type Terracing Outfits in County.....	1
No. Acres Terraced by this Outfit.....	25
No. Farms on which work was done.....	1
3. No. District Farm Plans.....	123
4. Kudzu Plantings, acres.....	135
5. Sericea established, acres.....	291
6. Pastures improved, acres.....	2,216
7. Fish Ponds Built.....	13
8. Drainage by Dynamiting, .feet.....	5,280
9. Wildlife Improvement, acres.....	25

Summary Soil Conservation Practices Established thru 1948

1. County District Farm Plans.....	661
Acres represented.....	105,218
2. Kudzu Plantings, acres.....	1,511
3. Sericea, acres.....	1,569
4. Pastures improved, acres.....	8,816
5. Trees planted.....	183,000
6. Terracing, acres.....	1,710
7. Farm Ponds built.....	33
8. Drainage by Dynamiting, feet.....	9,504
9. Wildlife Improvement, acres.....	25
10. No. Farmers Awarded for Completion of 80% of Established Practices...	44



## AGRICULTURAL ENGINEERING

Agricultural engineering work in 1948 consisted of furnishing plans for farm buildings, county wide tractor and combine schools, dynamite ditching demonstrations, bull dozier clearing demonstrations, and lessons on electrical appliances in 4-H clubs.

Farm building plans: Farm building plans prepared by the extension agricultural engineering division were furnished to farmers for the construction of the following listed farm buildings:

Summary Farm Building Plans Furnished Farmers

Building	Number
General Purpose Barns	4
Farm Houses	4
Dairy Barns	3
Hog Self Feeders	12
Poultry Houses	6
Brooder Houses	6
Box Type Silos	1
Combination Milk Houses	1
TOTAL	37

Tractor School: A county wide tractor school was held on January 26th attended by 114, although the ground was covered with sleet and snow. Six local dealers showed as many makes of tractors, some with special equipment attached. M. C. McKenzie did a good job with the school and called on service men with each make of tractor to explain the new features involved. The dealers say that the past schools have been more than worth all the effort, since the operators have taken better care of their tractors the past two years.

Combine school: A school for combine operators was arranged at the fairgrounds on May 24th. This method demonstration was attended by 32 farmers although it was held right in the midst of grain harvesting in the county and farmers were busy. Demonstrations of combine operations were given by M. C. McKenzie assisted by agency representatives.

Dynamite ditching: A demonstration in blowing ditches with dynamite was given on the bottom pasture of J. J. Griffin's farm with 16 present. 125 feet of ditch were dynamited which opened up some 6 acres of wet pasture land that Mr. Griffin was unable to graze even in the driest summer weather.

Bull dozier work: A field meeting showing the use of bull dozier in clearing lands for pasture was held September 22nd, attended by 32 farmers. Trees and bushes were completely removed and this land is now in excellent winter grazing and will be seeded to pasture grasses as soon as possible. Similar work has been done in many other parts of the county and we hope to do even more in 1949 as we find our best prospective pasture land on the creek bottoms growing in trees and bushes.



Planning public buildings: The county agents assisted in helping to plan a farm exhibits building at the county fairgrounds. This was the old livestock auction barn. All inside the building was cleared out and individual booths of permanent structure planned and built. This proved to be one of the main attractions in the annual county fair and gave ample room for individual farm exhibits, manufacturing exhibits, and commercial displays. With this new building, Greenwood county has buildings and arrangement second to none for conducting county fair or any other livestock show or sale.

A new livestock commission barn was built and opened for services on July 12th. This is a modern and well equipped livestock building costing \$17,500, owned by H. T. Warner, local farmer and beef producer. It is located on Highway 25 and can be easily connected by spur to railroad.

Cotton Ginning: Sam Williams spent one day in the county checking over the ginning equipment at Cal W. Kinard's. This is one of the good gins in the county and had just installed complete drying equipment. We now have practically 100 per cent of our gins drying the cotton and handling it even in the bur stage and thereby turning out good samples.

Electrical appliances: A representative of the Duke Power Company spent one week in the county putting on electrical demonstrations in 4-H clubs. This school was most interesting and instructive and was attended by 159 boys. The clubsters thought it one of the most entertaining as well as beneficial that they had ever witnessed.

#### AGRONOMY

Agronomy work in 1948 consisted of demonstrations and educational work in each of the major agronomy projects. Summaries and results of demonstrations are as follows.

#### Fertilizers

Corn Fertilization demonstration: One farmer in the county conducted a demonstration showing the use of varying amounts of nitrate of soda under corn. The same variety of corn and the same type of land was used throughout the 3-acre plot, with the only difference in treatment the amount of nitrate fertilizer applied. The summary of this demonstration shows the following:

Summary Corn Fertilization Demonstration

Name	Variety	Acreage	Lbs. of Soda <sup>Nitro</sup>	(Bus.) Yield	Value	Cost	Profit
Chas. W. Palmer	Woods S-210	1.0	200	67.5	\$ 94.50	\$15.44	\$79.06
Chas. W. Palmer	Woods S-210	1.0	400	76.5	107.10	15.44	91.66
Chas. W. Palmer	Woods S-210	1.0	600	62.3	87.22	15.44	71.78



TVA Ammonium Nitrate: Through cooperative agreement between the extension service and the Tennessee Valley Authority, Greenwood county received 70 tons of TVA ammonium nitrate for use on winter grazing crops. This material was received in November and has been applied by 57 demonstrators to show the value of nitrogen applications on grazing crops. Just as soon as results can be determined records will be secured from the demonstrators and will be analyzed for further educational use in this project. The following is the list of demonstrators using ammonium nitrate on winter grazing.

List Nitrate on Winter Grazing Demonstrations - 1948

Name	Address	No. Bags
Anderson, J. Perrin	Greenwood	5
Benjamin, Joe	Rt. 2, Greenwood	10
Benjamin, S. H.	Coronaca	20
Beachem, Frank	Rt. 3, Greenwood	10
Beaudrot, C. B.	Greenwood	20
Chapman, Geo. L.	Rt. 3, Greenwood	5
Charles, W. K.	Greenwood	20
Coleman, R. C.	Verdery	20
Coleman, T. L.	Greenwood	15
Craig, Larry	Ninety Six	60
Dows, David	Bradley	20
Eddy, Allen W.	Ninety Six	10
Ellenberg, W. J.	Greenwood	20
Gardner, James M.	Rt. 1, Greenwood	10
Greenwood Mills	Greenwood	20
Griffin, J. J.	Rt. 1, Greenwood	40
Gulledge, E. P.	Callison	190
Hawkins, G. E.	Greenwood	60
Hayes, V. W.	Greenwood	60
Henderson, W. N.	Ninety Six	40
Johnson, B. Lewis	Donalds	10
Jones, J. S.	Rt. 4, Greenwood	10
Kinard, H. B.	Ninety Six	10
Kinard, J. Q.	Springfield	10
Langley, C. U.	Bradley	5
Lanier, W. D.	Rt. 1, Greenwood	20
Lofton, Paul S.	Ninety Six	30
Lumley, Harold	Rt. 2, Greenwood	60
Millford, E. W.	Greenwood	20
Millford, J. H.	Rt. 2, Greenwood	20
Miller, W. H.	Rt. 2, Ninety Six	10
Moore, W. A.	Greenwood	20
Murphy, W. B.	Rt. 2, Greenwood	10
Nicholson, W. H.	Greenwood	20
Nickles, Oscar M.	Hodges	20
Ninety Six Cotton Mill	Ninety Six	20

(Continued)



(Continued)

Oregon Dairy	Greenwood	45
Palmer, Chas. W.	Rt. 4, Greenwood	10
Park, Joe F.	Rt. 2, Greenwood	20
Pinson, W. P.	Rt. 3, Greenwood	20
Robinson, W. C.	Greenwood	10
Rodgers, S. A.	Callison	10
Rodgers, H. W.	Callison	10
Smith, J. C., Jr.	Ninety Six	10
Snipes, C. D.	Rt. 1, Greenwood	90
Steer, R. L.	Bradley	40
Stockman, S. W.	Rt. 1, Greenwood	10
Taylor, I. B.	Greenwood	10
Templeton, E. C.	Rt. 2, Ninety Six	10
Thayer, Henry K., Jr.	Greenwood	10
Tolbert, Geo. R.	Rt. 1, Greenwood	10
Warner, Geo. H.	Rt. 1, Greenwood	40
Warner, H. T.	Rt. 1, Greenwood	20
Warner, Olin E.	Rt. 1, Greenwood	20
Watkins, W. P.	Greenwood	10
Williams, G. Mobley	Greenwood	10
Williams, J. Bruce	Rt. 2, Ninety Six	5
Withers, A. M., Jr.	Rt. 2, Greenwood	10

Cotton

Five-acre cotton improvement demonstrations: Sixteen out of 17 Greenwood county farmers enrolled in the five-acre cotton improvement contest completed their demonstrations and submitted records. Eight of the completed demonstrations were conducted by negroes and will be reported in the negro county agent's report. A summary of the demonstrations follows:

Summary Results Five-Acre Cotton Improvement Demonstrations

Name	Lbs. Seed Cotton	Lbs. Lint	Value Crop	Cost Prod.	Net Profit	Lint Cost per Lb.	Per Cent Lint
Chas. W. Palmer	9,920	3,571	\$1,349.03	\$501.85	\$ 847.18	14.0¢	36.0
L. L. Hasting	9,716	3,497	1,321.12	612.40	708.72	17.5	36.0
F. P. Henderson	9,340	3,362	1,270.12	495.55	774.57	14.8	36.0
J. O. Herlong	9,865	3,551	1,341.52	548.42	793.10	15.4	36.0
J. T. Rush	9,800	3,528	1,332.80	608.32	724.48	17.2	36.0
Sam Metts	10,360	3,729	1,408.75	651.37	757.38	17.4	36.0
J. E. Kinard	12,625	4,545	1,717.00	587.85	1,129.15	12.9	36.0
Cal W. Kinard	13,310	4,791	1,810.02	547.80	1,262.22	11.4	36.0

AVERAGED YIELD LINT PER ACRE - 762  
 AVERAGE VALUE PER ACRE-----\$288.76  
 AVERAGE COST PER ACRE-----113.84  
 AVERAGE PROFIT PER ACRE-----174.92  
 AVERAGE COST PER POUND-----.149



## Summary Results Cotton Demonstrations 1939-1948

Year	Number of Demonstrations	Lint Lbs. per Acre	Value per Acre	Cost per Acre	Profit per Acre
1939	48	603	\$ 79.59	\$34.13	\$ 45.46
1940	28	549	65.49	33.17	32.33
1941	5	404	93.97	36.31	57.26
1942	5	535	126.77	42.90	83.87
1943	No Contest in Greenwood County				
1944	16	615	167.08	52.51	114.56
1945	20	645	135.56	66.66	67.39
1946	11	559	246.39	57.93	188.45
1947	24	535	217.09	76.33	142.47
1948	8	762	288.76	113.84	174.92

As a whole yields of contestants were 50 to 100 per cent higher than last year's. This was probably due to the fact that the past year was one of our best seasons for growing cotton, the use of the new cotton poisons, and practically 100 per cent of the contestants using seed direct from the breeder. Our cotton acreage has dropped to a somewhat stationary level at about 10,000 acres, but the yields have steadily climbed to a point where we are making an average for the county of almost 3/5's bale per acre. Census figures show that during the 1928-32 period the average yield for this county was 185 and the 1942-46 period shows an average yield per acre of 276 pounds.

Improved seed: The campaign which began in this county several years ago to use improved seed was continued. Every cotton contestant used seed direct from the breeder or one year from the breeder. A total of three tons of direct from the breeder seed was used by the farmers. One ginner is making good seed available to farmers by swapping them seed one year from the breeder for their old seed. Our local cooperative also handles seed for sale one year from the breeder, these seed grown by local cotton farmers.

One variety county: For several years Greenwood has been almost entirely a one variety county and we are just as near that goal now as we can ever get. All ginner except two are bonded to take samples for free grading and stapling service and the other two said they would take samples if requests were made.

Meetings: The state meeting of the cotton seed crushers and ginner was attended by the county agent and local winners at the Jefferson hotel where prizes were awarded for the 1947 year. County first prize winner was Sam E. Metts who made 11,448 pounds of seed cotton or 8.7 bales on his 5 acres. Second was Cal W. Kinard with 10,935 or 8.3 bales on his 5 acres. As far as we can determine, these were record yields for Greenwood county up to that time. Mr. Metts was close up in the district running.

Cotton Letter: Through cooperation with the cotton sections at Clemson, 127 cotton farmers of the county received the "Cotton Letter" throughout the cotton season.



### Corn Production

Greenwood is not considered a corn producing county. However, one old corn producer made the statement that Greenwood this year has made the best corn crop in 50 years. The majority of our seed is bought direct from the breeder and of hybrid varieties. 60 bushels of hybrid seed corn were purchased through the farmers' cooperative and probably as much was ordered direct or bought at the seed stores in town.

Corn Production demonstrations: Four farmers completed corn production demonstrations. A summary of these records follows:

#### Summary Corn Production Demonstrations

Name	Variety	Acres	Yield Bus.	Bus. per A.	Cost Prod.	Cost per Bu	Value	Profit
J. S. Jones	Loman Y	15	675	45	\$355.59	.53	\$1,080.00	\$724.41
Chas. W. Palmer	Wood's	20	500	25	308.90	.67	800.00	491.10
J. D. Arrington	Wood's	3	180	60	165.30	.92	252.00	86.70
Harold Lumley	N Yellow	15	375	25	591.25	1.58	600.00	8.75
TOTALS		53	1,730					
AVERAGES				32.6		.82	1.58	.76

Variety demonstrations: Two farmers completed demonstrations showing results obtained from using different varieties of corn. A summary of these records follows:

#### Summary Corn Variety Demonstrations

Name	Variety	Acres	Yield Bus	Cost Prod.	Cost per Bu	Value	Profit
Chas W. Palmer	N.C. 27	0.5	38.5	\$7.72	.20	\$53.90	\$46.18
	Coker 17	0.5	41.5	7.72	.19	58.10	50.38
	Wood S210	0.5	32.3	7.72	.24	45.22	37.50
P. J. Riddle	N.C. 27	0.5	34.0	12.70	.37	47.60	34.90
	Coker 17	0.5	41.0	12.70	.31	57.40	44.70
	Loman's	0.5	29.0	12.70	.44	40.60	27.90

### Small Grains

Oats production: Three demonstrations were completed in the production of oats, the summary of which is as follows:

#### Summary Oats Demonstrations

Name	Variety	A's	Yield Bus.	Yield per A	Value Crop	Cost Prod.	Cost per Bu.	Profit
R. L. Steer	Fullgrain	15	375	25.0	\$ 375.00	\$ 342.87	.914	\$ 32.13
Paul Lofton	"	22	770	35.0	770.00	637.85	.828	132.15
G. H. Warner	"	6	240	40.0	240.00	168.57	.702	71.43
TOTALS		43	1,385		\$1,385.00	\$1,149.29		\$235.71
AVERAGES				32.2	1.00		.829	.171

Because of undue weather conditions we were able to plant only a small acreage of oats, and this being planted so late, the yields were not good.

Wheat production: Five farmers kept records on the production of wheat. The summary of these records is as follows:

#### Summary Wheat Demonstrations

Name	Variety	A's	Yield Bus.	Yield per A	Value Crop	Cost Prod.	Cost per Bu.	Profit
J. S. Jones	Sanet	25	416	16.6	\$ 832.00	\$ 409.90	.985	\$ 423.10
Carl Snipes	Redheart	42	1,080	25.7	2,538.00	1,020.32	.944	1,517.68
J. D. Arrington	Sanet	20	240	12.0	420.00	343.20	1.430	76.80
G. H. Warner	Sanet	2	40	20.0	92.00	56.44	1.411	35.56
Harold Lumley	C.Redheart	35	700	20.0	1,575.00	1,076.90	1.538	498.10
TOTALS		124	2,476		\$5,457.00	\$2,906.79		
AVERAGES				19.9	2.20		1.17	1.03

For the same reasons as oats, the wheat acreage was very short and the results not too good.

Barley production: Four farmers completed demonstrations in the production of barley, the summary of which is given as follows:

#### Summary Barley Demonstrations

Name	Variety	A's	Yield Bus.	Yield per A	Value Crop	Cost Prod.	Cost per Bu.	Profit
R. L. Steer	Calhoun	20	500	25	\$ 750.00	\$ 474.75	.949	\$ 275.25
Paul Lofton	Calhoun	10	600	60	840.00	285.80	.476	554.20
Harold Lumley	Calhoun	20	500	25	1,000.00	598.80	1.197	401.20
G. E. Hawkins	Calhoun	50	1,100	22	2,200.00	1,382.97	1.257	817.03
TOTALS		100	2,700		\$4,790.00	\$2,742.32		\$2,047.68
AVERAGES				27	1.77		1.015	.758



Farmers are continuing to plant larger acreages of barley to supplement the short corn yield and at the same time use the barley connection with grazing crops. Since a good crop of lespedeza can be grown following barley, it is a paying proposition to grow the two crops instead of one crop of corn. A number of farmers are grazing barley until early in the spring and then harvesting good crops of seed, which in turn is followed by a good crop of hay, thereby giving three crops per year.

#### Grain Sorghum

One demonstration in the production of grain sorghum was conducted this year. Greenwood farmers are turning more and more to grain sorghum since this county is not adapted to growing corn. However, more of the grain sorghum is now used for silage and grazing for beef cattle in the late fall. Since grain sorghum mildews so badly, we will need either work on varieties that are resistant to mildews if we expect to harvest seed, or continue to use it for silage and grazing. The summary of the grain sorghum demonstration record is as follows:

Name	No. Acres	No. Bus.	Value	Cost	Profit
G. H. Warner	2.0	140	\$154.00	\$49.54	\$104.46

#### Legumes for Hay

Lespedeza for hay production: Seven demonstrations of lespedeza for hay production were completed in 1948. A summary of these records follows:

##### Summary Demonstrations Lespedeza for Hay Production

Name	Variety	No. Acres	Yield Tons	Tons per A.	Value Crop	CoCost per Prod.	Cost per T	Profit
J. S. Jones	Kobe	25	250	1.0	\$ 750.00	\$ 165.80	6.632	\$ 584.20
C. W. Palmer	Kobe	6	9	1.5	315.00	113.40	12.600	261.60
H. T. Warner	Kobe	40	60	1.5	1,400.00	568.00	9.466	832.00
R. L. Steer	Korean	55	55	1.0	1,925.00	1,122.00	20.400	803.00
Carl Snipes	Kobe	42	63	1.5	2,205.00	1,191.00	18.904	1,014.00
J. D. Arrington	Mixed	20	30	1.5	1,050.00	525.00	17.500	524.00
G. E. Hawkins	Korean	30	23	0.8	805.00	482.00	20.956	323.00
TOTALS		218	265		\$8,450.00	\$4,167.20		\$4,281.80
AVERAGES				1.2	31.88		15.72	16.16

Sericea for hay production: Three farmers completed demonstrations in the production of sericea for hay. The summary of these demonstrations is as follows:



## Summary Sericea for Hay Demonstrations

Name	No. Acres	Yield Tons	Tons per A.	Value Crop	Cost Prod.	Cost per T.	Profit
J. S. Jones	3 $\frac{1}{4}$	6 $\frac{1}{2}$	2.0	\$ 195.00	\$ 50.25	5.423	\$ 144.75
H. T. Warner	35	70	2.0	2,100.00	897.32	12.818	1,202.68
R. L. Steer	20	40	2.0	1,200.00	308.00	7.700	892.00
TOTALS	58 $\frac{1}{4}$	116 $\frac{1}{2}$		\$3,495.00	\$1,255.57		\$2,239.43
AVERAGES			2.0	60.00		21.55	38.45

Kudzu for hay production: Two demonstrations were completed in the production of kudzu for hay in 1948. The following is a summary of these records:

## Summary Kudzu for Hay Demonstrations

	No. Acres	Yield Tons	Tons per A	Value Crop	Cost Prod.	Cost per T	Profit
H. T. Warner	20	45	2.1	\$1,350.00	\$ 288.00	6.40	\$1,062.00
Olin Warner	50	88	1.8	2,640.00	818.00	9.29	1,822.00
TOTALS	70	133		\$3,990.00	\$1,106.00		\$2,884.00
AVERAGES			1.9	47.00		15.80	41.20

Legumes for Seed

Lespedeza and crimson clover for seed production: Two farmers kept records in 1948 on the production of lespedeza and crimson clover for seed production. The summary of these records as completed is given as follows:

Name	Kind	No. Acres	Yield Pounds	Lbs. per A	Value Crop	Cost Prod.	Profit
Olin Warner	Kobe	12	4,000	333	\$640.00	\$177.20	\$462.80
Carl Snipes	Cr. Clover	5	1,200	240	480.00	182.31	297.69

Fescue

Fescue for seed: Two farmers completed demonstrations in the production of fescue for seed. The first record listed was grazed late in the year and then the seed were harvested. The second record was made by a farmer who planted primarily for seed and did not graze the patch. The summary of these demonstrations is as follows:

Summary Fescue for Seed Demonstrations  
(on following page)



## Summary Fescue for Seed Demonstrations

Name	Variety	No. A's	Yield Lbs.	Lbs. per A.	Value Crop	Cost Prod.	Profit
H. T. Warner	Ky. 31	5	270	54	\$1142.00	\$124.60	\$ 17.40*
Olin E. Warner	Alta	2	700	350	280.00	51.70	228.30
TOTALS		7	970		\$422.00	\$176.30	\$245.70
AVERAGES PER ACRE				138	60.28	25.18	35.10

\*Field grazed before seed were harvested.

For the first time in the history of the county, a small acreage of fescue was planted. This crop was planted in the fall of 1947 and grazed on during the summer with cattle being taken off in the early fall in time to produce a seed crop. This year there was a tremendous increase in acreage, most of which will be used for grazing and a little cut to produce seed for increasing acreage. Both the Kentucky 31 and Alta have been planted in the county and so far as we can see there is no difference in the two. We are using, as far as possible, ladino clover interplanted with the fescue, although we are trying some reseeding crimson clover and small grains to see which will give best results.

Alfalfa

Alfalfa for hay production: The demonstrations in alfalfa that were started last year are looking exceptionally good and farmers are beginning to make plans for an increased acreage, especially for dairy cattle. One farmer has recently planted 15 acres for his dairy cattle. The crop seems to do well in this county and we hope each dairyman will soon plant a small acreage to be used for hay in good weather conditions or as silage in unfavorable weather conditions. Three farmers completed demonstrations in the production of alfalfa for hay. The summary of these demonstrations is as follows:

## Summary Alfalfa Demonstrations

Name & Variety	No. A's	Yield Tons	Tons per A	Value Crop	Cost Prod.	Cost per T.	Profit
C.W. Palmer - Argentine	5	18	3.6	\$ 720.00	\$ 214.80	\$11.93	\$ 505.20
Carl Snipes - Kansas	5	24.5	4.9	980.00	561.67	22.92	418.33
Paul Lofton - Argentine	3	20	6.7	800.00	115.92	5.80	684.08
TOTALS	13	62.5		\$2,500.00	\$ 892.39		\$1,607.61
AVERAGES			4.8	40.00		14.28	25.72

Annual Grazing

Field Meetings & Tours: A county tour was arranged and held on the farm of Carl Snipes in the Breezewood community on March 24th to observe the grazing on this farm. This field was planned well in advance with the assistance of the Soil Conservation Service in order to show on one farm the growth and use of the various types of annual grazing. 78 farmers turned out for this tour and were shown first and second year alfalfa; winter grazing consisting of rye grass, small grains, and crimson clover (on open field and on kudzu); Alta and Kentucky 31 fescue; and 5 acres of hard seeded crimson clover. This was one of the best tours held in recent years, with all the time being spent on one farm.



Since we have had so much interest in the annual grazing program, we planned a demonstration in the fall of the year at the time of seeding to show how the land should be prepared, the kinds and amounts of fertilizer to be used, the inoculation of legume seed, methods of planting, and use of the cultipacker after planting. This proved to be one of the most beneficial meetings ever put on in the county without a doubt, as shown by the increased acreage that was seeded to grazing this fall immediately thereafter. Just a few years back there were only 50 to 100 acres planted in grazing crops as compared with some 5000 acres today which includes 2000 or more in annual grazing, reseeding crimson clover, kudzu, fescue, and sericea.

Annual Grazing crops: Nine farmers completed demonstration records on their annual grazing crops. The summary of their records is as follows:

Summary Annual Grazing Crop Demonstrations

Name	Grazing Used	No. A's	No. Ani	Days Grazed	Value Crop	Cost Prod.	Profit
H. T. Warner	Ryegrass, Cr. Clover	80	151	75	\$ 2352.50	\$ 893.20	\$ 1459.30
H. T. Warner	Fescue, Ladino Clover	5	9	100	470.50	117.60	352.90
R. L. Steer	Ryegrass, Cr. Clover	30	30	150	3375.00	607.80	2767.13
Paul Lofton	Rygrass, Cr. Clover, Barley	7	12	200	1869.00	465.85	1403.15
Carl Snipes	Ryegrass, Cr. Clover, Grain	30	94	132	9000.00	1277.00	7723.00
Harold Lumley	Ryegrass, Cr. Clover, Grain	15	25	100	1282.00	474.15	807.85
Lee Cockrell	Ryegrass, Cr. Clover, Grain	20	45	200	6000.00	1150.20	4849.80
G. E. Hawkins	Ryegrass, Cr. Clover, Grain	18	27	200	4050.00	560.95	3489.05
Harold Lumley	Barley	10	25	100	1250.00	376.60	873.40
TOTALS		215	418	1257	\$29649.00	\$5923.42	\$23725.58
AVERAGES PER ACRE			1.9		137.90	27.55	110.35

We have had the biggest increase in annual grazing acreage than any other one crop in the county, and we believe this acreage will continue increasing along with the livestock population.

The combination of annual grazing that seems to give best results is a mixture of ryegrass and hard seeded crimson clover, both of which will reseed the following year. This is a big advantage since cattle can be grazed on this packed land even during the wet seasons and also saves cost of having to buy seed every year in planting.

Another mixture giving good results is crimson clover, ryegrass, and small grains, which is very good for the first year and the second year grain can be drilled back on the same land or left out if not wanted and the remaining ryegrass and crimson clover will supply abundant grazing.

A number of farmers are using straight barley for grazing and taking their cattle off in time to harvest a seed crop. If barley is planted real early, it needs grazing and it gives a good growth for grazing and will make more seed if grazed.



The new fescue grasses and Ladino clover are giving good results. We find that before planting any of the grass crops, the land should be well limed, phosphated, and an abundant supply of complete fertilizer used, including a top dressing with nitrate of soda or its equivalent.

We have approximately 2,000 acres of grazing crops this fall, and 90 tons of nitrate fertilizer have been secured and applied to these crops and the observations that so far can be made appear to be showing excellent results.

#### Permanent Pastures

Permanent Pasture demonstrations: The year round campaign for improvement of permanent pasture was continued throughout 1948. With increased livestock population we need more and better pastures, and the improvement of pastures has become almost a matter of course in the county. The bull dozier that is available in the county is helping to improve the old pastures and to clear branch bottom lands for new pastures. Our farmers are taking up most of their soil building payments in lime and phosphate, the greater part of which is being used on their pastures. The combination of pasture grasses that seems to give us best results is Bermuda, Dallis, White Dutch and Ladino clover.

Three farmers kept cost accounts on their permanent pastures in 1948. The following is the summary of these records:

#### Summary Permanent Pasture Demonstrations

Name	Acres	No. Cows	Value Pasture	Cost Prod.	Cost per Acre	Profit
Paul Lofton	19	12	\$ 4,560	\$ 334.20	\$27.85	\$ 4,225.80
Olin Warner	25	50	5,000	503.50	10.07	4,496.50
Paul Lofton	15	15	2,250	192.00	12.80	2,058.00
TOTALS	59	77	\$11,810	\$1,029.70		\$10,780.30
AVERAGES		1.3	200.17		17.45	182.72

## ANIMAL HUSBANDRY

Animal husbandry work in Greenwood County in 1948 consisted of educational demonstration work with swine and beef cattle.

Swine

The program of demonstration work with hogs in 1948 included demonstrations in feeding surplus Irish potatoes to hogs, educational work in meat curing, county fair hog show, and 4-H pig club work.

Meat curing: The freezer-locker plant is rendering a very valuable service to farmers of the county in handling pork in and out of season. They have facilities to handle the hog after it is killed and dressed. It can be either cured out or processed and stored in freezer locker boxes. We have more families feeding out one or two hogs this year than in recent years, probably due to the high price of pork on the market the past year. 115,000 pounds of pork were processed for farmers this year.

Irish potato feeding demonstrations: Surplus Marketing Administration released Irish potatoes to farmers during the summer of 1948 for feed to livestock. Farmers feeding Irish potatoes to hogs gave the following observations on this type of feed:

Summary Irish Potato Feeding Demonstrations to Hogs

Name of Farmer	No. Hogs	Bus. Fed	Preparation	Kind of Grain or Grazing	Opinion
W. P. Pinson, Jr.	8	240	Cooked, Raw	Lesp. & Bermuda	$\frac{1}{2}$ Value of Corn Would like more
J. T. Calhoun	25	200	Cooked	None	Very good feed
F. E. Wells	12	300	Cooked	Corn & Barley	Good feed- Hogs gained rapidly
W. H. Poole	6	20	Cooked	Corn	Gained fine
Chas. W. Palmer	10	25	Raw	Alfalfa & Grain	Potatoes not so good
R. L. Steer	18	1320	Cooked 3/4	Grain 1/4	Good cheap feed Would like more
W. A. McDaniel	18		Raw	Corn	Did as well on corn and potatoes as well as corn alone
Carl Snipes	5	30	Raw	None	Did as well as on corn Would like more
Perrin Anderson	12	150	Raw	Corn	Good results
Hubert Anderson	2	10	Cooked	Corn	Not enough to tell
G. E. Hawkins	6	50	Raw	Supplement	Made good gains

Four-H pig club work: One 4-H clubster in the county completed his project with sow and litter, and 26 clubsters fed out 28 fattening pigs. A summary of their demonstrations is found on the following page.



## Summary 4-H Demonstrations, Pig Fattening Class

Name	No. Animals	Value	Cost	Profit
Tim Ethridge	1	\$ 65.00	\$ 60.60	\$ 4.40
William B. Worthington	1	65.00	50.00	15.00
Roy Prossley	1	40.00	22.00	18.00
Wilbur Booth	1	15.00	12.80	2.20
Hoyt Dorn	1	50.00	49.00	1.00
Charles Worthington	2	120.00	114.00	6.00
Gene Wilson	1	60.00	48.00	12.00
Ellis Timmerman	1	81.00	52.00	29.00
Ted Mitchell	1	81.00	73.30	7.70
Jimmy Ouzts	1	50.00	39.25	10.75
Ted Walker	1	67.50	54.50	13.00
Lucian Tolbert	1	63.00	53.00	10.00
Clifton Eakin	1	55.00	54.00	1.00
Eugene Strawhorn	1	30.00	28.12	1.88
Morris Jones	2	100.00	96.90	3.10
Bobby Carrol Hughes	1	50.00	41.20	8.80
Herbert Anderson	1	47.25	44.00	3.25
Sydney Russell	1	57.50	54.00	3.50
Ray Darragh	1	60.00	38.70	21.30
Kenneth Bone	1	54.00	35.60	18.40
Clyde T. Littlejohn	1	74.00	60.00	14.00
Webster Jordanes	1	120.00	98.00	22.00
Donald Beauford	1	66.00	60.00	6.00
Eugene Compton	1	72.00	60.00	12.00
Bailey Smith	1	70.00	66.00	4.00
Mickey Barrett	1	44.00	38.00	6.00
TOTALS	28	\$1,657.25	\$1,402.97	\$254.28
AVERAGES		59.19	50.11	9.08

## Summary 4-H Demonstrations, Sow &amp; Litter

Robert Nickles	11	\$188.00	\$100.00	\$88.00
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County Fair: 74 hogs were exhibited at the county fair which included about a dozen fat barrows. This was one of the nicest hog shows that we have ever had and the quality improves from year to year. Every pen in the barn was filled. 4-H club boys and girls shows a good number this year.

Beef cattle

Beef cattle work for 1948 consisted of the placing and selling of purebred and feeder cattle, cooperation with state and county beef producers associations, county fair exhibits, and 4-H beef calf club work.

Purebred sires placed: Twelve purebred beef bulls were placed with ten farmers in 1948. A summary of these placings follows:

## Summary Beef Bulls Placed in 1948

Name	No. Placed	Breed
W. B. Murphy	1	Hereford
Dewitt R. Jones	1	Hereford
S. H. Benjamin	1	Hereford
Ninety Six Mill Farms	3	Hereford
J. J. Griffin	1	Angus
Ralph S. Jenkins	1	Angus
Joe Benjamin	1	Angus
Cromer Bros.	1	Angus
E. W. Milford	1	Angus
H. T. Warner	1	Angus
TOTAL	10	

Purebred and high grade females placed: Ten farmers were assisted with purchasing of 37 females. The summary of these placings is as follows:

## Summary Females Placed in 1948

Name	No. Placed	Breed
Ralph Jenkins	4	Angus
Joe Benjamin	6	Angus
W. P. Watkins	4	Hereford
Perrin Anderson	1	Hereford
Emanuel Werts	3	Hereford
H. K. Thayer, Jr.	3	Hereford
Dewitt R. Jones	5	Hereford
J. H. Milford	1	Hereford
Martha Beachem	1	Hereford
TOTAL	37	

Feeder steers placed: 100 feeder cattle were placed with local farmers. Not counting feed costs they practically doubled their money when they were sold. This enterprise proved so successful that they expect to do the same thing again next year.



Cooperation with Breed Associations: The State Hereford Breed Association held its state annual meeting at the Oregon Hotel in Greenwood and in April held their annual purebred Hereford consignment sale at the county fairgrounds where 40 purebred animals averaged \$352.00. The top heifer sold for \$1,000 and the top bull for \$500.

The Greenwood County Beef Producers Association holds regular monthly meetings in the county agent's office and they held one annual meeting Wednesday night of fair week preceding the beef cattle show the next day at the county fair. They set up some 14 goals for the year and met all except part of one goal. This organization was responsible for the new livestock auction barn which was built and is owned by the 1948 president of the county beef producers association.

County Fair: 14 Angus and 19 Herefords were shown at the county fair in addition to two pens of Brahman's steers. This was not quite as many beef cattle as were shown the previous year, but what they lacked in number was more than made up in quality. Professors Godbey and Starkey made the statement that it was one of the best quality shows they had attended all the year. 21 4-H steers were shown during the week with J. H. Griffin showing the grand champion and Milton Cunningham the reserve champion. These were sold on the following Monday at the new livestock auction barn.

4-H beef calf club work: Twenty-four 4-H clubsters completed projects with fattening steers. The summary of their records is as follows:

#### Summary 4-H Steer Feeding Demonstrations

Name	Weights		Premiums	Receipts	Expense	Profit
J. T. Burnett	315	875	\$ 10.00	\$ 246.26	\$ 184.70	\$ 62.55
Martha Beachem	500	785		219.80	207.21	12.59
Carroll Beachem	478	643		162.50	195.42	- 32.92
Betty McDonald	560	665		175.48	157.42	18.06
Perry McDonald	415	660		169.95	123.58	46.37
Franklin Burnett	375	965	15.00	287.61	187.90	99.71
Paul Brown	390	630		170.10	134.20	35.90
Joe Scott	432	640		168.00	133.82	34.18
Buddy Dansley	344	623		167.78	124.22	43.56
Elbert Warner	400	775	12.00	213.50	150.27	63.23
Bobby Eakin	430	750		200.09	160.25	39.84
Malcolm Cunningham	383	835	15.00	273.85	209.00	64.85
Bobby McDonald	555	869	12.00	239.15	233.57	5.58
James McDonald	510	880	20.00	252.45	223.22	29.23
Barrett McDonald	515	880	5.00	237.45	224.37	13.08
J. H. Griffin	576	975	45.00	581.25	226.25	355.00
Claude Edwards	480	845	5.00	224.70	270.40	- 45.70
Clifton Edwards	490	790	15.00	228.30	276.99	- 48.67
Pete Edwards	410	790	10.00	220.00	258.10	- 38.10
Bobby Williamson	410	670		177.55	134.12	43.43
Ralph Smith	50	250		55.00	42.00	13.00
Milton Cunningham	258	620	20.00	237.00	124.34	112.66
Lawrence Darragh	500	800		200.00	159.50	40.52
Pope Burroughs	394	700		134.00	97.45	36.55
TOTALS	10,170	17,906	184.00	\$5,242.78	\$4,238.28	\$1,004.50
AVERAGES				218.45	176.60	41.85



## DAIRYING

Extension work in dairying for 1948 included educational demonstration work in the placing of purebred sires, silage production, marketing, and miscellaneous.

### Purebred Sires

Purebred bulls placed: Five purebred Jersey bulls were placed with the following farmers in 1948. The list of these placings is as follows:

Name	Breed
B. M. Miller	Jersey
J. L. Maxwell	Jersey
E. C. Hughes	Jersey
W. J. Ellenberg	Jersey
S. W. Stockman	Jersey
TOTAL	5 Bulls

### Feed production

Growing hay: This project is reported under the agronomy section of this report.

Silage production: Three demonstrations were conducted with dairymen in the production of silage. A summary of these records follows:

#### Summary Silage Production Demonstrations

Name	Crop	Yield		Tons per A.	Cost	Cost per Ton
		A's	Tons			
R. L. Steer	Ryegrass & Cr. Clover	30	75	2.5	\$831.88	\$11.09
Harold Lumley	Grain Sorghum	6	72	12.0	282.50	3.92
G. E. Hawkins	Clover, R.G., Barley	10	50	5.0	441.75	8.84
TOTALS		46	197		\$1,556.13	
AVERAGES				4.3		7.90

Annual grazing crops: Reported under "Agronomy."

Permanent pastures: Reported under "Agronomy."

### Marketing

Milk and cream: The majority of the milk produced and sold in Greenwood county is handled by the Greenwood Pasteurizing Plant. This milk is pasteurized and retailed over the county. We still have a few dairymen in the retail business but each year finds one or two dropping off and selling to the pasteurizing plant, mostly because of the shortage of labor. The local pasteurized milk, plus the retailed milk, does not nearly satisfy the demand. Therefore some 3,000 gallons of milk are imported into the county almost every week during the winter months. Our supply is sufficient during the summer. A number of herds have been sold out completely since prices have been good which has left an even greater shortage during winter months.



A few dairymen are selling their cream to the cream stations in the county and using the skimmed milk to feed out calves and hogs for commercial and home use. They seem to be well satisfied at the present time with present prices.

Sales and purchases dairy cattle: In addition to the five bulls placed, the following is the summary of dairy cattle bought and sold for farmers of the county during 1948.

Summary Dairy Cattle Sales & Purchases--1948

Name	Number	Bought	Sold
Paul Lofton	3	\$	\$ 305.00
W. J. Ellenberg	1		50.00
Oregon Dairy	8	2,000.00	
Sara Nell Hodges	1	50.00	
Billy Dorn	1	190.00	
Joe Langley	1	185.00	
Carroll Beachem	1	125 .00	
Lenora Cooner	1	250.00	
Martha Beachem	2	450.00	
Charles Sperry	1	400.00	
Oregon Dairy	4	610.00	
L. C. Clark	1	90.00	
G. H. Warner	2		250.00
Robert Goff	1		125.00
E. C. Hughes	1		200.00
Martha Beachem	1		125.00
Frank Beachem	2		200.00
Paul Lofton	1		175.00
J. R. Werts	2		385.00
Chas. W. Palmer	1	190.00	
E. P. Sperry	4	687.00	
Tommy Joyce	1	350.00	
J. S. Jones	1	125.00	
Ben Kinard	4	600.00	
V. W. Hayes	2		350.00
John Sloan	1		125.00
W. H. Nicholson	12		1,350.00
E. P. Gullledge	62		17,740.00
Larry Craig	45		9,270.00
TOTALS	168	\$6,302.00	\$30,850.00

### 4-H Dairy Calf Club Work

Five new calf club members were added this year to take the place of some of the older ones dropping out which leaves about the same number as last year.

A summary of the records submitted by members of the dairy calf club is given as follows:

#### Summary Dairy Calf Club Demonstrations

Name	Breed	Premiums	Value	Expense	Profit
Martha Beachem	Jersey		\$ 223.60	\$ 85.50	\$ 138.10
Sara Nell Hodges	Jersey	53.00	303.00	99.15	203.85
Billy Dorn	Jersey	9.70	259.70	211.60	48.10
Joe Langley	Jersey	26.00	276.00	214.73	61.27
Bernice Mae Miller	Jersey	180.00	877.96	152.09	725.87
Lenora Cooner	Jersey	21.00	321.00	307.25	13.75
Robert Earl Goff	Jersey	85.65	335.65	322.35	13.30
Charles Sperry	Jersey	78.40	528.40	450.00	88.40
Myron Stockman	Jersey	25.00	662.31	164.00	498.31
Joe Garvin	Jersey	118.40	784.40	181.55	602.85
Gene Glanton	Jersey		150.00	138.73	11.27
Maleda Cunningham	Jersey	16.00	176.20	146.20	46.30
David Coleman	Guernsey	38.00	238.00	153.50	84.50
Robert Coleman	Guernsey	77.00	477.00	285.50	191.50
Jimmy White	Grade		40.00	32.00	8.00
Preston Harrison	Jersey		310.00	148.00	162.00
Clayton Lee Witt	Grade		100.00	72.50	27.50
Parker Young	Grade		300.00	234.00	66.00
Earl Aiton	Grade		200.00	118.00	82.00
19		\$728.15	\$6,563.22	\$3,516.65	\$3,072.87

Twelve clubsters showed their club animals at the Spartanburg and State fairs and these 12 were joined by 5 more in showing at the county fair. A total of \$690.00 was won at the three fairs by calf club members.

We feel that this is one of our best clubs in that the members seem to take more interest. They hold regular meetings and usually have a very good attendance, although this is a club that is held outside of school always.

A tour to the farm of Ward Crim was arranged for dairy calf club members on June 30th, at which time 29 made the trip to observe Mr. Crim's excellent herd.

A judging team was trained and placed second in the district, with one young lady on the team being the high scorer in the district for Jersey judging.

Dairy club members have participated in all meetings, shows, and other activities within the county and the state, and have made a good showing for themselves even in adult competition.

Two members attended the state meeting of the S. C. Jersey Cattle Club last fall where they were awarded first and second prizes in the state for 4-H clubsters with Jersey projects. 1947 was the third straight year that a member of the Greenwood calf club was first prize winner in the state for this award.



### Miscellaneous

Long Cane Jersey Parish: The county agents have cooperated very closely with this strong association. The association makes its own plans and outlines its own goals for dairy activities in the parish area.

The fourth annual parish show was held June 16th, attended by 255. At this time 98 entries were catalogued for the show. The quality of the animals shown shows steady increase. No animal shown this year went below the white ribbon group, with most of them placing in the blue and red. E. P. Gullledge walked off with most of the honors of the day, followed by R. L. Steer.

More than 20 parish members, including several clubsters, enjoyed a tour to Monrocroft Jersey Farm in Charlotte. This one of the goals set up by the parish.

Meetings and Sales: The S. C. Jersey Cattle Club meeting at Spartanburg was attended by 13 from Greenwood.

The S. C. Holstein-Friesian Assn. meeting was held at the Oregon Hotel at Greenwood, with 48 present, and M. J. Rhodes of Greenwood elected president.

The Guernsey Festival at Chester was attended in September.

All state consignment sales held by Jersey breeders, have been participated in and attended by groups of Greenwood county breeders, including the state heifer sale held at the Greenwood fairgrounds on June 28th.

The county extension agents have assisted and cooperated with associations in all activities planned.

Classifications: Two scheduled classifications, one in the spring and one in the fall, were held in the county where in a total of 50 animals were classified and/or re-classified for five county breeders.

Feeding Surplus Irish Potatoes: With the release of surplus Irish potatoes for feed to livestock, several farmers fed them to dairy cattle. The results were not too good, as indicated by the observations recorded below:

Name	No. Cows	Amount Fed	Preparation	Kind of Grain or Grazing	Opinion
Ben Johnson	5	20	Raw	Meal & Hulls Pasture	Ate them O.K.
Lee Cockrell	47	300	Raw	Replaced Silage	Went up in milk
G. E. Hawkins	27	300	Raw	Grain Ration An. Grazing	Took place of corn Milk supply dropped
Johnson Craig	50	600	Raw	Fed extra to other feed	Not so good 1 car rotted
E. P. Gullledge		1200	Ensiled		To replace silage Don't know yet 1 car rotted
J. H. Milford	50	600	Hammered	Regular Ration	Helped
M. J. Rhodes	50	300	Raw	Used instead of silage	Held up in milk



## ENTOMOLOGY AND PLANT PATHOLOGY

Entomology and plant pathology work in 1948 included work with crop diseases, crop insects, and beekeeping.

Crop Diseases

Cotton: An old common disease, soreshin, that had never bothered us very much gave us considerable trouble in spots over the county due primarily to late cold damp weather. Several farmers suffered considerable damage to their stands but as soon as hot weather came along, it recovered and the cotton spread out and injury was not noticeable at harvest time. Some replanted and others planted over.

Weed Control

2-4-D: A great deal of interest has been shown by farmers this year in using weed killers. Two meetings for leaders were arranged, at one a motion picture showing history, use, and methods of application was shown to 90 people present. At another meeting, weeds that had been sprayed with 2-4-D and died were exhibited.

Insects and Rodents

Rat Campaign: 1,775 pounds of poisoned bait were ordered and well distributed over the county for use in the control of rats. Almost everyone found dead rats and reported a very successful campaign. The trouble is that not enough people poisoned their rats and rats from farms that did not use the poison were soon infesting the county again. However, farmers are more rat conscious since the campaign and they are doing a better job of cleaning up and poisoning the rats.

Boll weevil control: Farmers did more in 1948 to control the boll weevil than ever before. They were trying any and everything and spending considerable money to try to produce a good cotton crop. Some got good results by using one to three applications of sweetened poison. Others found their best results by using a little bit of sweetened poison followed by some of the dusts when the infestation became heavier. Still others started out using the new dusts and made as many as five applications and still were not too satisfied with the results. A good number of farmers seemed to think that sweetened poison should be used when cotton is very small and possibly one application of BHS dust applied to control the hopper and then one to three applications of the BHC dust used at migration time.

In addition to sweetened poison, the following amounts of new dusts were applied: 2 tons chlorinated camphene,  $5\frac{1}{2}$  tons BHC, 22 tons chlorodane.

Boll weevil counts were made every week and suggestions made as to poisoning for the following week through the local press, radio, and the Cotton Letter.

One meeting for leaders was arranged at which time, the extension specialist in cotton diseases and insects discussed for them the experiments and recommendations up to that time on use of the newer forms of boll weevil control.



Fall Army Worm: The fall army worm suddenly broke out in several places over the county and before anyone knew they were there, they had done considerable damage on summer grazing crops. Chlorodane, BHC, and 10% DDT dusts were applied as control measures along with poisoned bait. Some reported good results from all and others were doubtful. A farmer observed army worms eating in his field one day and the next day they were gone with no control being used, then they reappeared within the same field in four weeks. We observed the birds doing a good job of control on small infested areas. Our farmers realized the best thing to do when the army worm appeared was to cut the crop and use it for hay or silage, or put cattle there and graze it down without using any of the poisons.

### Beekeeping

Transferring demonstrations: Four demonstrations of transferring bees from old box and gum hives to modern loose-frame hives were given during the year. A summary of these demonstrations follows:

#### Summary Transferring Demonstrations

Name.	No. Box Hives Transferred	No. Loose-Frame Hives
O. L. Harling	1	1
J. D. Arrington	3	3
W. A. Barnette	1	1
Yates Wyant	4	4
TOTALS	9	9

Requeening demonstrations: Twenty queens were introduced into hives in demonstrations for 8 farmers of the county. A summary of this work follows:

#### Summary Requeening Demonstrations

Name	No. Queens Introduced	Results
W. O. Noffz	10	All lived
G. H. Warner	2	All lived
H. J. Thomas	1	All lived
J. S. Jones	1	All lived
Ed Smith	2	All lived
W. A. Barnette	2	All lived
O. E. Harling	1	All lived
J. D. Arrington	1	Died
TOTALS	20	19

Disease work: W. H. Purser, from Clemson College, spent a day in the county looking for diseases in bees. We found two hives with foul brood at one place. Instructions were left for these hives to be burned.

Result demonstrations: One beekeeper kept costs and returns records on his hives in 1948. The following is the summary of his demonstration

Summary Bee Record Demonstrations

Name	No. Hives	Lbs. Honey	Receipts	Costs	Profit
W. O. Noffz	40	1,500	\$541.50	\$102.00	\$439.50

FORESTRY

Extension work in forestry in 1948 was conducted through cooperation with the specialists in this field, and consisted of woodland examinations, pulpwood thinning contest, forest planting demonstrations, and programs in 4-H clubs.

Woodland Examinations

Woodland examinations were made for 23 farmers representing a total of 5,658 acres. The summary of these examinations follows:

Summary Woodland Examinations

Name	Acres Examined	Acres Marked	Board Feet	Cords
J. D. Arrington	40			
B. G. Beck	75			
W. L. Bedenbaugh	150			
E. H. Blake	118			
L. C. Clark	55			
T. L. Coleman	60			
Allen W. Eddy	150			
City of Greenwood	350	300	401,940	
Greenwood Cotton Mills	1,000			
E. P. Gullledge	2,000			
Mrs. D. B. Hall	230			
G. E. Hawkins	125			
John C. Henegan	100			
Estate of John Kerr	100			
J. McD. Kinard	150	60		151
Harold Lumley	50			
E. G. Maxfield	107			
Connie Maxwell Childrens Home	350	150	493,500	
G. E. Moore	31			
Chas. W. Palmer	60			
A. H. Stokes		10		49
H. J. Thomas	175	30		52
Carl Williams	182			
TOTALS	5,658	550		252



### Five Acre Pulpwood Thinning Contest

Five farmers enrolled in this contest but only two actually carried the project through to completion. E. P. Boazman, Verdery, S. C., won first place in the district. From his demonstration 5 acres, Mr. Boazman sold 50 cords of wood and had 20 cords for fuel. E. P. Gullledge, Callison, S. C., won first place in the county.

### Reforestation

Method demonstrations showing the proper plantings of seedlings were held in December, 1947, and again in November, 1948, such method demonstrations were conducted. A total of 7 method demonstrations were given during the year arranged at the time seedlings were arriving in the county, and these demonstrations were attended by 50 farmers.

27 farmers obtained a total of 216,000 seedlings: 187,400 loblolly, 6,100 longleaf, and 22,500 slash.

### 4-H Work

At the December meetings of all 4-H Clubs in the county, the film "There's More Than Timber in Trees," was shown and was seen and enjoyed by 416 boys and girls.

Again at the January meetings, the lesson taught club boys was on forestry. The exhibit of products obtained from wood was borrowed from the specialist, and at each club meeting the boys were asked to list products he could name made from wood. A small prize was given at each meeting to the boy with the longest list, then the agent elaborated on the special items and their uses. These lessons were taught 266 club boys, and seemed to be very interesting to the youngsters.

### Tree Farms System

Joe L. Tolbert, Ninety Six, S. C., was named a tree farmer during the year for his work in the management of his 4,050 acres of woodland.

### Forest Insects

Several times during the year, the extension forestry specialists identified insects for individuals and farmers interested in protecting their trees from the pine bark beetle.

### Meetings

In addition to 4-H club meetings, the extension agents have met three times during the year with the county forest ranger and his staff of forest fire fighters. At two of these meetings, motion picture films were shown: "Forest Fires on Game," and "Pine Ways to Profit."

## FOUR-H CLUB WORK

Boys' 4-H club work was conducted in eleven communities in Greenwood County in 1948, with an enrollment of 152. Each club is in charge of a local leader, and regular monthly meetings are held with each club. All regular club meetings were held jointly with the home agent, the boys and girls meeting together for the business and devotional meeting, then separating for the lessons.

Summary of enrollment and completions:

Name of Club	No. Members Enrolled	No. Completed Demonstrations	Per Cent Members Com- pleting Demonstrations
Bold Springs	11	4	36
Phoenix	11	3	27
Utopia	13	10	77
High School	46	32	69
Woodlawn	12	8	67
Iuka	7	4	57
Bradley	10	10	100
Troy	10	10	100
Coronaca	6	0	0
Hodges	6	4	67
County Calf	20	15	75
TOTALS	152	101	66

Summary 4-H Club demonstrations:

Demonstration	No. Completed	Value	Costs	Profit
Pig - Fattening	26	\$1,657.25	\$1,402.97	\$ 254.28
Pig - Sow & Litter	1	188.00	100.00	88.00
Beef Calf	24	5,242.78	4,238.28	1,004.50
Dairy Calf	19	6,563.22	3,516.65	3,072.87
Poultry	24	2,278.71	1,596.49	656.67
Corn	2	98.00	37.60	60.40
Garden	3	308.00	177.00	131.00
Rabbits	1	15.00	10.00	5.00
TOTALS	101	\$16,350.96	\$11,078.99	\$ 5,272.72

4-H club records:

## Summary 4-H Corn Records

Name	Acres	Yield	Value	Costs	Profit
Morris Strawhorn	1	50	\$70.00	\$20.35	\$49.65
Alfred Edwards	1	20	28.00	17.25	10.75
TOTALS	2	70	\$98.00	\$37.60	\$60.40
AVERAGES		35	49.00	18.80	30.20



## Summary 4-H Garden Records

Name	Acres	Value	Expenses	Profit
Julian Ouzts	0.25	\$ 50.00	\$ 28.00	\$ 22.00
Joe Sam Vines	1.00	150.00	85.00	65.00
Melvin Williams	0.50	108.00	64.00	44.00
TOTALS	1.75	\$308.00	\$177.00	\$131.00
AVERAGES	.58	102.66	59.00	47.00

## Summary 4-H Rabbit Record

Name	Number	Value	Expenses	Profit
Frank Wilson	4	\$15.00	\$10.00	\$ 5.00

Summary Pig Club Records  
(Reported under Animal Husbandry)

Summary Beef Club Records  
(Reported under Animal Husbandry)

Summary Dairy Club Records  
(Reported under Dairying)

Summary Poultry Records  
(Reported under Poultry)

Fair Exhibits: The following is the summary of exhibits at the Spartanburg, State, and Greenwood fairs.

## County Fair Exhibits

Exhibit	No. Exhibiting	No. Entries	Placings	Premiums Won
Sweet Potatoes	2	2	2	\$ 5.00
Honey	1	3	3	3.50
Corn	5	9	9	9.75
Beef Cattle	13	14	15	186.00
Swine	6	15	19	97.00
Poultry	7	26	25	35.00
Dairy Cattle	20	21	50	404.00

## Spartanburg Fair

Dairy Cattle	12	12	30	226.00
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## State Fair

Dairy Cattle	12	12	29	292.50
Poultry	1	8	6	11.00
Corn	4	4	3	4.08
TOTALS ALL FAIRS	83	126	191	\$1,273.83

4-H Achievement Day: Achievement Day was held on November 20 with 41 present. Recognition was given to clubsters outstanding in all projects.

Judging Teams: One judging team was trained in the judging of pigs and beef animals, and one dairy judging team was trained which placed second in the district.

4-H Club tour: The dairy calf club was taken on a tour to Moore, S. C., where they observed the Jersey herd of Mr. Ward Grim.

## HORTICULTURE

Horticulture work in 1948 consisted of work with peach orchards, sweet potatoes, and home gardens.

Peach orchards: The five commercial orchards in the county varying in size from 5 to 50 acres. Due to the late cold spring frost, only one orchard made enough peaches to spray and harvest. This was the orchard of E. S. Tinsley at Hodges whose orchard is located at a very high altitude and had good air and water drainage. A 50-acre orchard within 200 yards of this one at a lower elevation was completely wiped out. Mr. Tinsley's ten acres of peaches were readily sold at the orchard to local buyers and trucks.

Pruning: Three growers were assisted with personal pruning demonstrations and cover crops. The agent and two more growers in the county attended the peach school in Spartanburg.

The parasites that were released a year ago apparently are still doing a good job as it seems that there is no damage from the oriental fruit moth.

Gardens: Three garden demonstration records were kept by 4-H clubsters. Garden lessons and a motion picture film on gardening were shown in all 4-H clubs in March. Garden pictures were also shown to two adult meetings with a total 112 present to see the pictures.

Sweet Potatoes: 50 bushels of sweet potato seed were ordered direct from the breeder through the local co-op, most of which were bedded by the boys of the local veterans classes and plants made available to their neighbors. This will give us better quality potatoes to go into our potato storage house which is operated by the vocational agriculture teacher.



## MARKETING

Extension work in marketing for 1948 consisted of aiding farmers in the cooperative buying and selling of farm products, fertilizers, and other farm supplies.

Cooperative marketing organizations: The Greenwood Cooperative Marketing Association which is eleven years old and still active in handling feed and seeds, surplus eggs and creams, was given assistance during the year. This association also handles a good bit of live poultry for farmers and they purchase such supplies as insecticides.

Their annual membership meeting was held in the county court room on March 6th. Many other cooperative services are needed and it is hoped that they will be available some time in the near future.

The manager of the local co-op calls the extension agents in from time to time for advice on farm activities, what varieties of seeds, etc., to buy and handle and the same for feeds. They are rendering a big service in keeping farmers supplied with seed direct from the breeder and at the same time are of great assistance to the extension service in that they take care of such marketing details.

The Marketing of Surplus Farm Products: The county agents cooperated with the farmers of the county throughout the year in the marketing of surplus farm products, for which there were no regularly established local markets, and in the purchase of materials and supplies in a cooperative way. A summary of this work is given as follows:

## Summary Marketing Work—1948

Products	Quantity	Sold	Bought
Cream	13,000 Lbs	\$ 7,150.00	\$
Eggs	12,227 Doz	7,336.64	
Poultry	8,994 Lbs	2,683.11	
Baby Chicks	1,375		199.37
Beef Cattle	103 Head	7,943.76	11,314.18
Dairy Cattle	168 Head	30,850.00	6,302.00
Cotton-Certified	200 Bus.		870.00
Corn-Hybrid	95 Bus.		1,187.00
Corn-Regular	150 Bus		600.00
Lespedeza-Kobe	80,000 Lbs	6,000.00	7,600.00
Lespedeza-Korean	14,000 Lbs	1,260.00	
Lespedeza-Sericea	800 Lbs	160.00	
Grain Sorghum	8,000 Lbs		640.00
Soybeans	134 Bus		1,005.00
Oats	2,500 Bus	4,000.00	1,500.00
Wheat	650 Bus	1,800.00	250.00
Sweet Potatoes	50 Bus		175.00

(Continued)

## Summary Marketing Work—1948 (Continued)

Products	Quantity	Sold	Bought
Barley	600 Bus	900.00	600.00
Fescue	8,000 Lbs		4,000.00
Dallis Grass	400 Lbs		240.00
Ryegrass	90,000 Lbs		10,600.00
Ladino Clover	1,200 Lbs		1,440.00
Alfalfa	150 Lbs		82.50
Crimson Clover	4,500 Lbs	1,575.00	
Re-seeding Clover	10,000 Lbs		6,500.00
Pulpwood	275 Cords	3,000.00	
Soda	20 Tons		1,140.00
Nitrate, TVA	70 Tons		4,344.20
Calcium Arsenate	10,000 Lbs		1,200.00
Molasses	10,000 Gals		4,300.00
Pyro Dust	295 Lbs		195.71
Sabadilla	100 Lbs		45.00
DDT	100 Gals		300.00
Chloradane	22 Tons )		
BHC	5½ Tons )		
Camphene	2 Tons )		10,320.00
totals		\$74,613.51	\$76,949.96
TOTAL VALUE PRODUCTS BOUGHT AND SOLD			\$151,563.47

## POULTRY

Extension work with poultry in 1948 consisted of work with 4-H club members, office calls and farm visits in answer to disease work.

Sears Roebuck poultry chain: The Sears Roebuck poultry chain with 1000 chicks was continued this year and chicks were placed in the hands of five boys and five girls. These chicks were grown out and 12 pullets from each contestant were shown and sold during the county fair, averaging \$2.08 per bird. A like number of boys and girls will be started with baby chicks next spring. The summary of the Sears Roebuck demonstrations will be found on the following page.



SEARS POULTRY CHAIN 4-H PROJECT

(Joint - Including Boys and Girls - Total for County)

1. County	<u>Greenwood</u>	Year	<u>1948</u>
2. No. Sears Club members	<u>10</u>	Sexed chicks	<u>        </u>
		Unsexed chicks	<u>X        </u>
3. Chicks started - No.	<u>1000</u>	Cost \$	<u>145.00</u>
4. No. chicks raised to broiler age	<u>879</u>		
5. No. broilers sold	<u>382</u>		
6. Feed consumed - Lbs.	<u>7,262</u>	Cost \$	<u>444.88</u>
7. Other expenses:		\$	<u>60.44</u>
8. Total value broilers sold, eaten and on hand at end of 12 weeks		\$	<u>910.50</u>
9. Profit to 12 weeks of age (Add lines 6 and 7 and subtract from line 8)		\$	<u>404.98</u>
*****			
10. No. pullets left at 12 weeks			<u>380</u>
11. Feed consumed - Lbs. (From 12 weeks to date of sale)	<u>6,578</u>	Cost \$	<u>390.40</u>
12. Other expenses - 12 weeks to date of sale		\$	<u>2.50</u>
13. Estimated value of all pullets raised at date of sale		\$	<u>653.44</u>
14. Profit - 12 weeks to date of sale (Add lines 11 and 12 plus estimated value of pullets return to chain and subtract from line 13)		\$	<u>254.04</u>
*****			
15. No. pullets auctioned			<u>108</u>
16. Total selling price all pullets returned to chain		\$	<u>222.04</u>
17. Average selling price per pullet		\$	<u>2.05</u>

This is a special joint report. These records to be reported  
with other 4-H poultry records in annual report.

4-H Club Demonstrations: 24 clubsters completed poultry demonstrations during the year. The summary of their records is given as follows:

Summary 4-H Poultry Demonstrations

Name	No. Chicks		Premiums	Receipts	Expenses	Profit
	Started	Raised				
Charles Browne	100	97	\$ 20.00	\$211.96	\$158.85	\$ 53.11
Betty McDonald	104	100	20.00	168.50	61.50	81.50
Paul Brown	100	98	10.00	174.00	97.50	76.50
Paul Lance	100	92	10.00	132.00	79.00	53.00
Mary Alice Hollingsworth	100	95	10.00	132.00	84.45	47.50
Jimmie White	100	97	6.00	150.50	139.39	11.11
Mary Jane Smith	101	98	6.00	107.80	75.90	31.90
Beth Tuck	100	98	6.00	108.00	67.00	41.00
Joan Bray	100	89	6.00	117.00	88.40	28.60
Herbert Anderson	100	11		22.00	37.00	-15.00
Miriam Garvin	200	183	27.00	361.30	246.10	115.20
Mathew McGee	57	54		44.40	36.05	8.35
William Walker	50	44		55.00	47.00	8.00
Forrest Strawhorne	25	23		37.25	30.50	6.75
Frank Rippy	30	30		45.00	31.20	13.80
Edward Miles	100	54		69.00	58.60	10.40
Pat Rush	28	24		24.00	15.00	9.00
Bobby Young	25	10		10.00	9.25	.75
Marvin Culbertson	24	24		30.00	18.60	11.40
Neil Brown	100	90		115.00	81.00	34.00
Billy Cameron	25	22		40.00	33.85	6.15
Bryan Garner	25	25		28.00	17.55	10.45
Franklin Hastings	10	10		20.00	16.85	3.15
Elizabeth Coleman	80	76	7.50	76.00	65.95	10.05
TOTALS	1,784	1,545	\$118.50	\$2,278.00	\$1,596.49	\$656.67

VISUAL INSTRUCTION

Visual instruction work for the year consisted of the use of educational motion pictures, photographs, and exhibits at fairs.

Educational motion pictures were used at 26 meetings attended by 460 adults and 1,713 clubsters. The following is the list of titles of films shown in 1948:

There's More Than Timber in Trees  
 Over the Rainbow  
 Grow Your Own  
 Saving the Garden Crop  
 Junior Cattlemen  
 Do unto Animals  
 Five Ways to Profit  
 Atomic Power  
 Fires or Game  
 Farmers Face the Future  
 Beef Cattle for Spring Shows  
 A Heritage We Guard  
 The Runt  
 Piedmont Panorama  
 Vandals of the Night



Photographs were made by the extension photograph, the county agent, and by the local newspaper reporter of some 40 demonstrations and activities in the county this year. A number of these are included in this report.

Educational exhibits in all classes were entered in the Greenwood fair, and at fairs outside the county dairy cattle were exhibited at the Spartanburg fair, and dairy cattle, poultry, and corn exhibits were entered by clubsters at the State Fair.

### PUBLICITY

Publicity work and the distribution of educational information in connection with 5h3 1948 extension program in Greenwood County was done through circular letters, press articles, radio talks, the distribution of bulletins, and farm tours. A summary of work done in this connection is given as follows:

#### Summary Publicity Work

Individual letters	495
Circular letters	32
Copies mailed	6,897
Press articles	148
Radio talks	29
Bulletins distributed	3,074
Farm tours	3
Attendance	127

Circular letters: A total of 32 circular letters were prepared, and 6,897 copies mailed to farmers and 4-H club boys in Greenwood County in 1948. These letters contained information on timely agricultural matters, notices of meetings, and information on results of demonstrations and experimental work. Specimen copies of circular letters are attached to this report.

Press articles: A total of 148 press articles of timely agricultural interest were published in "The Index-Journal," local daily paper. Specimen copies of news articles are attached to this report

Radio talks: 29 radio talks on agricultural subjects were made by the county agent over station W. C. R. S. during the year.

Bulletins distributed: A total of 3,074 bulletins were distributed to farmers and 4-H club boys during the year.

Farm tours: Three farm tours were conducted, one a special tour for 4-H clubsters, and two for adults in which clubsters also participated, visiting an outstanding dairy farm, and a winter grazing tour.

MISCELLANEOUS

A.A.A. Activities: The allotment of funds for soil building practices to Greenwood county was considerably reduced for the year 1948, the total allotment being something over \$28,000. Farmers have received approvals for the entire allocation of funds and most of it has been taken in lime and superphosphate, with orders being placed for 2,604 tons of lime and 1,000 tons of superphosphate. The county agents' offices and the AAA offices are on the same floor and adjacent to each other and there is very close harmony between the two organizations; although the county agents take no active part in handling the details of this program, they do try in an educational or advisory way to have farmers receive such assistance from AAA as they can receive, and do assist the AAA officers in planning local programs.

County Fair: The 1948 Greenwood fair for the first time opened its livestock exhibits to Abbeville, Greenwood, Edgefield, and McCormick counties. In previous years all other entries that livestock had been open to the other counties than Greenwood. The 1948 fair was the best ever held with almost every class filled more completely than ever before. With the addition of a special building for farm crops, individual farm booths, and commercial displays, Greenwood county now has excellent arrangements for conducting fairs and other public display events. Considerable time and assistance was given the fair officials and farmers in making plans toward and carrying out the 1948 fair.

Local Organizations: The Coordinated Farmers Club, composed of agricultural agency heads, farm leaders, and a few business men, continued to meet monthly with programs planned to coordinate and emphasize agricultural work in the county.

The county agent is a member of one of the subordinate Granges and tries to make a visit to each Grange meeting throughout the year.



On the following pages will be found specimen  
copies of circular letters issued during the year.

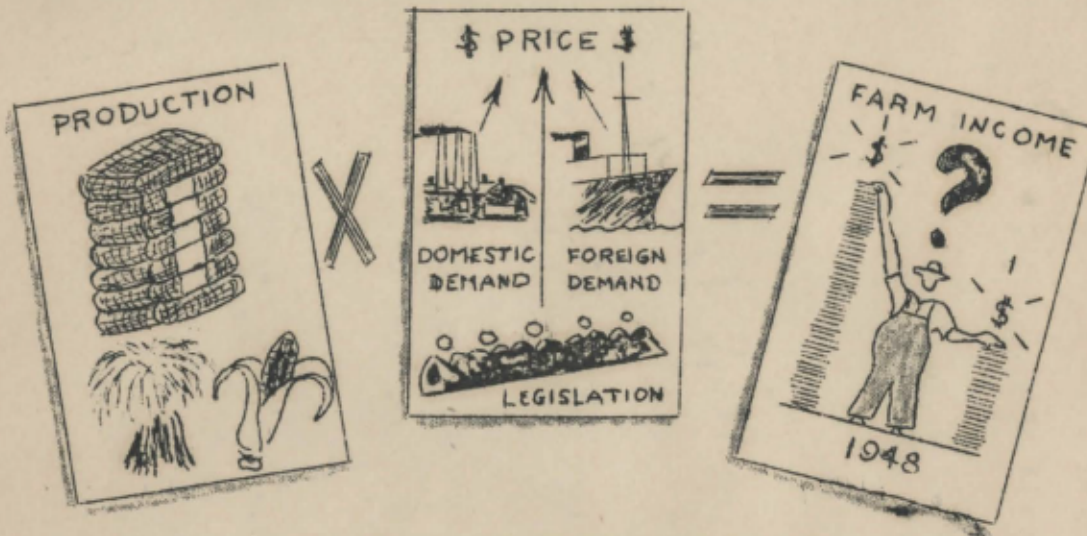
COOPERATIVE EXTENSION WORK  
IN  
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE  
OF SOUTH CAROLINA AND  
UNITED STATES DEPARTMENT OF  
AGRICULTURE COOPERATING

Greenwood, S. C.  
January 16, 1948

EXTENSION SERVICE



WHAT DOES 1948 HOLD IN STORE FOR FARMERS?

To all Greenwood County Farm Men and Women:

We don't think we know all the answers. But we have arranged an outlook meeting to bring you the most up to date information available as to what can be expected in 1948 on prices and costs, to be held in the county court room at 2:00 P.M. on Wednesday, January 21, 1948.

With us for the meeting will be A. H. Ward, District Farm Agent, Miss Laura Connor, District Home Agent, and W. C. Nettles, Entomologist, who will give us the details. Also on the program a panel discussion of their plans for the future by farmers of the county.

Mark the date and don't let anything prevent your being present for this important meeting.

Yours for a Better 1948,

*P. M. Garvin*  
P. M. Garvin, County Agent

*Elizabeth Herbert*  
Elizabeth Herbert, County Home Agent

REMEMBER:

2:00 P.M., Wednesday, January 21st.

County Court Room.



COOPERATIVE EXTENSION WORK  
IN  
AGRICULTURE AND HOME ECONOMICS

STATE OF SOUTH CAROLINA

CLEMSON AGRICULTURAL COLLEGE  
OF SOUTH CAROLINA AND  
UNITED STATES DEPARTMENT OF  
AGRICULTURE COOPERATING

Greenwood, S. C.  
August 3, 1948

EXTENSION SERVICE

To Greenwood County Farm Families:

Farmers Week for South Carolina farm adults is being arranged for August 23-27 at Clemson College. The staffs of Clemson and Winthrop Colleges are planning a program that promises to be of interest to all farm men and women. On account of the polio situation only adults are invited to attend.

Each morning there will be lectures and demonstrations in the College classrooms and laboratories on scientific farming and home-making. The noon hour program each day will include music, other features of entertainment, and an address by an outstanding speaker on a subject of interest to farm people. Each afternoon will be given over to tours to see demonstrations and agricultural experiments on the College Farm, and at other nearby places. On each evening program will be music, entertainment, and an address by an outstanding speaker.

Exhibits and demonstrations of the operation of modern farm machinery and home equipment will be featured throughout the week.

Rooms will be provided in the College barracks as long as they last, and meals will be served in the College dining room up to its capacity. No reservations will be made in advance. Registration will start Monday afternoon, August 23. The first meal served will be supper on Monday night. The last meal served will be lunch on Friday, August 27.

If you plan to attend Farmers Week, please advise one of us as soon as possible, giving the names of those who plan to attend, and the length of time you plan to stay. Because of the possibility of not enough rooms in barracks to go around, and overcrowded conditions in the dining room, College authorities request that as many farm men and women as possible living within 50 to 60 miles from the College attend Farmers Week by the day.

Very truly yours

*Elizabeth Herbert*  
Elizabeth Herbert  
Home Demonstration Agent

*P. M. Garvin*  
P. M. Garvin  
County Agent





# COTTON LETTER

PRESENTING TIMELY INFORMATION

ON ALL PHASES OF COTTON PRODUCTION

Greenwood, S. C., August 3, 1948

Farmers should continue to dust whenever 10 per cent infestation occurs. Don't forget to check your fields at least once a week. In making your check examine squares uniformly over the stalk. Pull off the punctured squares you find while counting 100. If you have 10 or more punctured squares out of the 100 it is time to dust again.

Chlorinated camphene is recommended at this time, since migration is rapidly advancing up state. Some are getting good results from chlorodane. The above dusts give protection for a longer period from cotton insects.

The weather has been favorable for weevil increase and damage will be worse from now on. Remember that late dusting just before and during migration will always pay good dividends by protecting bolls until they are too large to puncture.

Reports from other parts of the state indicate good to excellent results from the proper use of the new organic poisons.

BEWARE OF USING WEED KILLERS NEAR COTTON FIELDS! Two such incidents have been reported and investigated and the results were disastrous. In one case, 2-4-D was used to kill weeds in corn. This material drifted for 300 yards before settling. When it did come down on a nearby cotton field, this cotton looked like okra. Squares were shedding freely and the young leaves were killed.

Enclosed you will find an excellent fact sheet. Reading it will be time well spent.

*E. G. Tate Jr.*  
E. G. Tate, Jr.  
Asst. County Agent

*P. M. Garvin*  
P. M. Garvin  
County Agent

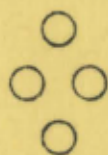


JERSEY SHOW

GREENWOOD, S C, FAIR

OCTOBER 27, 1948

JUDGED BY: FORREST FANSHER



Jersey

the "Profit Plus" breed

More Cows to Milk - Less Cows to Feed

## BULL, Calf:

- 1 \_\_\_\_\_ STANDARD SOUVENIR DESIGN 472617 4/22/48 - B. M. Miller  
 2 \_\_\_\_\_ WILLOW JESTER BASIL IKE Pending 7-1/48 - G. E. Hawkins  
 3 \_\_\_\_\_ VOLUNTEER GOLDEN RALEIGH Pending 2/28/48 - Harold Lumley  
 90 \_\_\_\_\_ SYBIL DESIGN DREAM BOY 2/6/48 - E. C. Hughes

## BULL, Sr. Yearling:

- 4 \_\_\_\_\_ FILLPAIL LOUISOXFORD GUY 484924 11/6/46 - James Rodgers  
 5 \_\_\_\_\_ MILLY'S SLEEPER SPARKLE 481494 9/8/46 - Paul S. Lofton

## JUNIOR CHAMPION BULL: \_\_\_\_\_

## BULL, 2-Year-Old:

- 6 \_\_\_\_\_ LOUISOXFORD JESTER BASIL 477875 12/21/45 - G. E. Hawkins

## BULL, 3-Year-Old:

- 7 \_\_\_\_\_ OXFORD FILLPAIL FAVORITE 469568 1/1/45 - Chas. Sperry  
 8 \_\_\_\_\_ VOLUNTEER LOUISOXFORD 470192 10/3/44 - Harold Lumley

## BULL, Aged:

- 9 \_\_\_\_\_ SPOTTED ROYAL BLONDE DAVE 456256 12/4/43 - Purvis Ouzts  
 10 \_\_\_\_\_ WONDERFUL FILLPAIL OXFORD 444321 12/12/41 - G. E. Hawkins

## SENIOR CHAMPION BULL: \_\_\_\_\_

## GRAND CHAMPION BULL: \_\_\_\_\_

## FITTING CONTEST: (Limited to Juniors)

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_



## HEIFER, Junior Calf: (Limited to Juniors)

- 11 OBSERVER KNIGHT'S TRINITY 1674762 2/26/48 - Carroll Beachem  
 12 SLEEPER SPARKLE ANNETTE 1674257 3/19/48 - Harry Lofton  
 13 STAN DESIGN CONNIE 1673656 4/6/48 - Gaines Steer

## HEIFER, Senior Calf:

- 14 WILLOW JESTER BASIL HOLLY 1655704 12/12/47 - Sue Hawkins  
 15 BONNE FILLE OF MORROCROFT 1627055 7/23/47 - Chas. Sperry  
 16 OBSERVER DUKE'S SARAH 1629291 11/24/47 - Sara Nell Hodges  
 17 DESIGN LIGHTNING MAE 1658469 4/25/48 - B. M. Miller  
 18 FILLPAIL LOUISOXFORD JAN 1652921 1/22/48 - Chas. Sperry  
 19 DESIGN SIGNAL FAITH TULIP H-12 10/21/47 - Hannah Bros.  
 20 DESIGN CAROLYN LILY H-14 2/23/48 - Hannah Bros.  
 21 WILLOW JESTER BASIL IT 1655702 3/1/48 - G. E. Hawkins  
 22 WILLOW JESTER BASIL ISABELL 1655701 1/21/48 - G. E. Hawkins  
 23 FILLPAIL LOUISOXFORD IDA 1655703 1/7/48 - G. E. Hawkins  
 24 WILLOW JESTER BASIL HANNAH 1617380 8/22/47 - G. E. Hawkins  
 25 FAVORITE OXFORDIA IRENE S-29 5/14/48 - R. L. Steer  
 26 VALOR FAVORITE ILENE S-26 1/9/48 - R. L. Steer  
 27 VALOR DESIGN HENRIETTA S-23 10/29/47 - R. L. Steer  
 28 FAVORITE DESIGN HAPPY 1636090 8/30/47 - R. L. Steer  
 29 FAVORITE PACIFIED HAZEL 1636089 8/14/47 - R. L. Steer  
 31 DESIGN PINNACIE PET H-11 10/9/47 - Hannah Bros.

## HEIFER, Junior Yearling:

- 30 SLEEPER SPARKLE NAN 1619612 5/24/47 - Paul Lofton, Jr.  
 31 TINY STAR STANDARD 1612578 6/7/47 - Joe Langley  
 32 DESIGN ALICE ROCKWOLD 1655800 5/27/47 - John William Dorn  
 33 DESIGN PIONEER NORA 1630874 1/5/47 - Lenora Cooner  
 34 KNIGH'S DESIGN ROSEMARY 1617620 - Gene Glanton  
 35 DESIGN ROBIN POLLY 1610890 2/28/47 - Carroll Joyce  
 36 DESIGN LIGHTNING JUNE 1600629 6/14/47 - B. M. Miller  
 37 SELECT KING LENA h-6 2/3/47 - Hannah Bros.  
 38 FILLPAIL OBSERVER HONEY 1617381 3/2/47 - G. E. Hawkins  
 39 FILLPAIL LOUISOXFORD HARP 1611212 1/17/47 - G. E. Hawkins  
 40 VALOR FAVORITE HONEY 1607474 2/2/47 - R. L. Steer

## HEIFER, Senior Yearling:

- 41 MILLY'S LOUISOXFORD GLITTER 1552612 8/9/46 - Robert Earl (Butch) Goff  
 42 DESIGN SIGNAL FAITH ROSE H-4 10/12/46 - Hannah Bros.  
 43 FILLPAIL OBSERVER GLOW 1579830 9/24/46 - G. E. Hawkins  
 44 FILLPAIL OBSERVER GIRL 1579832 12/5/46 - G. E. Hawkins  
 45 FILLPAIL LOUISOXFORD GERTY 1552611 7/7/46 - G. E. Hawkins  
 46 VALOR DREAMING GIVIA 1580005 12/31/46 - R. L. Steer

from Junior Classes, JUNIOR CHAMPION HEIFER: \_\_\_\_\_

from Open Classes, JUNIOR CHAMPION HEIFER: \_\_\_\_\_

## COW, 2-Year-Old:

- 47 FILLPAIL LOUISOXFORD FAIRY 1508931 7/1/45 - Sue Hawkins  
 48 DESIGN FAVORITE DORIS 1556249 5/18/46 - Malcolm Cunningham  
 49 DESIGN LOUISOXFORD NELL 1544514 4/14/46 - B. M. Miller  
 50 DESIGN ENA FOY 1516612 8/30/45 - R. L. Steer



## COW, 3-Year-Old:

- 51 IT SYBIL ROSE 1485195 12/28/44 - Bernice Mac Miller  
 52 LOUISOXFORD SYLVIA DAWN 1555100 6/4/45 - Ramsay Hawkins  
 53 OBSERVER FILLPAIL ETTA 1474392 10/5/44 - G. E. Hawkins  
 54 OBSERVER FILLPAIL ENTRY 1474393 10/25/44 - G. E. Hawkins  
 55 FANNY FORWARD BELLE 1578500 3/18/45 - Harold Lumley  
 56 WONDERFUL DREAMING FAY 1516609 4/25/45 - R. L. Steer  
 57 FAVORITE DREAMING FRANCES 1516610 6/30/45 - R. L. Steer

## COW, 4-Year-Old:

- 58 ROYAL OBSERVER ELLA 1464779 5/5/44 - G. E. Hawkins  
 59 FAVORITE DREAMING ESTHER 1454549 - 4/25/44 - R. L. Steer  
 60 FAVORITE DREAMING ELEANOR 1480522 5/26/44 - R. L. Steer

## COW, Aged:

- 61 DUKE FAVORITE LASSIE 1383733 1/30/40 - Joe Garvin  
 62 DUKE'S BLONDE PRINCESS 1347953 8/27/40 - Martha Beachem  
 63 OVERLOOK BLOSSOM 1469673 8/14/41 - Myron Stockman  
 64 WILLOW OBSERVER BOOTS 1301976 - 1/3/41 - G. E. Hawkins  
 65 EARL FANNY HELEN 1399236 4/25/42 - Harold Lumley  
 66 STANDARD ROSE BEAUTY LADY 1401830 5/20/42 - Harold Lumley  
 67 DESIGN JUNE CHARLOTTE 1388011 9/3/42 - R. L. Steer  
 68 DESIGN BOWLINA NAN 1283348 5/14/38 - R. L. Steer

from Junior Classes, SENIOR CHAMPION COW: \_\_\_\_\_

from Open Classes, SENIOR CHAMPION COW: \_\_\_\_\_

from Junior Classes, GRAND CHAMPION COW: \_\_\_\_\_

from Open Classes, GRAND CHAMPION COW: \_\_\_\_\_



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

PRODUCE OF DAM:

- 69 \_\_\_\_\_ DESIGN LIGHTNING DO 1328702 - B. M. Miller
- 70 \_\_\_\_\_ KING DESIGN CAROLYN 1467591 - Hannah Bros.
- 71 \_\_\_\_\_ SIGNAL OBSERVER FAITH 1466816 - Hannah Bros.
- 72 \_\_\_\_\_ WILLOW OBSERVER BEAUTY 1371058 - G. E. Hawkins
- 73 \_\_\_\_\_ DESIGN JEWETT CYNTHIA 1139170 - G. E. Hawkins
- 74 \_\_\_\_\_ WILLOW OBSERVER BONNY 1301977 - G. E. Hawkins
- 75 \_\_\_\_\_ WILLOW OBSERVER BETTY 1303245 - G. E. Hawkins
- 76 \_\_\_\_\_ FILLPAIL OXFORD LOUISE 1315255 - G. E. Hawkins
- 77 \_\_\_\_\_ BUNDLE LOUISOXFORD QUEEN 1286915 - G. E. Hawkins
- 78 \_\_\_\_\_ TIDDLEDYWINK HELEN FANNY 1170301 - Harold Lumley
- 92 \_\_\_\_\_ DESIGN ACE QUEEN - 1292647 - R. L. Steer
- 79 \_\_\_\_\_ SAM'S DREAMING VANITY 1094806 - R. L. Steer

JUNIOR GET OF SIRE:

- 80 \_\_\_\_\_ DESIGN LOUISOXFORD EARL 454845 - Hannah Bros.
- 81 \_\_\_\_\_ WONDERFUL FILLPAIL OXFORD 444321 - G. E. Hawkins
- 82 \_\_\_\_\_ LOUISOXFORD JESTER BASIL 477875 - G. E. Hawkins
- 83 \_\_\_\_\_ VANITY FAVORITE VALOR 433610 - R. L. Steer
- 84 \_\_\_\_\_ STAN FAVORITE GALLANT 414105 - R. L. Steer

SENIOR GET OF SIRE:

- 85 \_\_\_\_\_ WONDERFUL FILLPAIL OXFORD 444321 - G. E. Hawkins
- 86 \_\_\_\_\_ STAN FAVORITE GALLANT 414105 - R. L. Steer

CALF HERD:

- 87 \_\_\_\_\_ G. E. Hawkins

EXHIBITOR'S HERD:

- 88 \_\_\_\_\_ G. E. Hawkins
- 89 \_\_\_\_\_ G. E. Hawkins

PREMIER EXHIBITOR: \_\_\_\_\_

PREMIER BREEDER: \_\_\_\_\_

} Announced Later



On the following pages will be found specimen  
copies of press articles published during the year

# Farm Exhibits Above Average This Year At The County Fair

Farm exhibits, occupying a building of their own this year at the Greenwood County Fair, are reported above average in both quantity and quality.

The building formerly used as a sales barn has been converted to use as the farm exhibit quarters, and a visit to this building is well worth while for fairgoers.

The building is located just to the left of the main gate, the first building in the horse shoe shaped arrangement of buildings housing the exhibit. Just to the rear of this building is the cattle barn.

Judging was to get under way today with selection of the blue ribbon winners in the swine department and in the Guernsey cattle exhibits.

The swine department is by far the best that it has been at the fair, the building literally running over with hogs. One curious porker escaped from the building last night and wandered around the midway once before he could be herded back into his stall. C. W. Palmer is superintendent of the swine department, in which a number of farmers from Greenwood and surrounding counties have entries.

C. G. Cushman is judging the Guernseys today. Animals are entered by David Coleman and Robert Coleman of Verdery and Lee Cockrell of Oregon Dairy.

Judging of the Jersey animals will begin at 10 o'clock in the morning in the show ring, with the fitting class for boys and girls. Forest Fincher, manager of the Biltmore Farms near Asheville, will be judge of the Jerseys.

Thursday is beef cattle day, this judging beginning at 10 o'clock in the morning. About 20 fat steers will be judged in the program under which Greenwood county boys buy and fatten steers, and a sale of the animals will be held Monday at the sales barn in connection with the regular Monday morning sale there.

Thursday afternoon at four o'clock just outside the poultry building 128 New Hampshire Red pullets will be sold by five girls and four boys in the county who last year received 100 chicks each from boys and girls who in turn sold their chicks last year. The money from the chicks sold this year will go toward buying 100 chicks each for five boys and five girls, to keep the continuing program going. The program was set up by Sears-Roebuck Co., which gives prizes to the winners each year.

In addition, a few extra White Rocks and New Hampshires on exhibit will be sold at the same time.

Chicks will be sold under the Sears-Roebuck program by Betty Tuck, Verdery; Mary Jean Smith, Hodges; Mary Alice Harvelly, Bradley; Betty McDonald, Coronaca; John Bray, Route two, Ninety Six; Paul Lance, Callison; Paul Brown, Troy; Jimmy White, Verdery, and Charles Browne, Bradley.

Three individual farm booths are in place, put on exhibit by Mr. and Mrs. C. W. Dow, Phoenix; Mr. and Mrs. Bobby Goff, Phoenix; and Mr. and Mrs. Chris Richter, Lebanon.

The farm crop exhibits show a tremendous improvement over other years, according to County Agent P. M. Garvin. Surrounding counties also have exhibits in that department.

Four exhibits on honey, one more than the State Fair, can be seen in the exhibit building. Included among the four is the exhibit of Mr. and Mrs. W. O. Noffz, who won first prize at the State Fair. Other exhibitors include O. L. Reese, S. W. Stockman and Mrs. P. M. Garvin. A bee tree with bees in it was brought to the building by Mr. Reese, and placed on exhibit. The latest patent hives, safety devices and different kinds of honey are on display.

The poultry, rabbit and pigeon exhibits are attracting a great deal of attention in their own building, where they can be seen all week. The junior fair poultry exhibits were to be judged today.

The Veteran farm classes have good exhibits, and Curtis Hobson, Jersey fieldman for the two Carolinas, has set up a Jersey booth in the exhibit building.

A junior homemaking department booth has been set up by Miss Elizabeth Herbert, home demonstration agent, and the girls she works with.



Wed. July 21

THE INDEX-JOURNAL, GREENWOOD, S. C.

# THE INDEX-JOURNAL FARM PAGE

## FARM NEWS

By  
P. M. GARVIN, COUNTY AGENT

Protein pays large dividends in added gains on beef cattle when fed to supplement mature pasture grasses during late summer and early fall months. Experiment Station results and practical experience prove, according to A. L. Ward, Educational Director, National Cottonseed Products Association.

Cottonseed cake costing \$6 per hundred pounds returned \$18 worth of beef when fed to steers valued at \$34 per hundred pounds in trials at the Kansas Experiment Station, he points out.

Cattle on pasture that received 1 1/2 pounds of cottonseed cake, daily per head, for 86 days gained 132 pounds per head during the period in the Kansas test. Cattle that did not receive the protein supplement gained only 86 pounds. Each pound of cake fed resulted in a gain of approximately 3-4 of a pound.

During July and August, most farm pastures and ranges begin to cure out or become "burned". Protein is the first nutrient to become deficient, the protein content of grasses frequently dropping 50 per cent or more as they mature.

A protein concentrate, such as cottonseed meal, pellets or cubes, is the only supplement for grass needed by cattle under most conditions during the summer and fall. In the Kansas test, the addition of ground, shelled corn to the daily ration was not profitable during the feeding period, August 1 to November 1.

When grazing is short, some dry roughage should be fed; but grains are needed only when fattening cattle to a high finish for slaughter, or when grazing is so short that it will not furnish enough energy feed, Ward said. Protein concentrates are profitably fed in amounts exceeding those needed to balance the protein content of dry forage when they are relatively

cheaper than grains, as under present conditions.

Vitamin A supplements, such as alfalfa or bright grass hays, are necessary when feedlot cattle have not had access to green forage for two or three months. In order to satisfy requirements for Vitamin A in reproduction and growth, dairy cattle, breeding beef cows, herd bulls and calves should have access to green pasture, bright grass hay or a legume hay and should not be held off those Vitamin A feeds for periods longer than a few weeks.

Feeder calves and yearlings will carry more weight and bloom and will be in better condition to gain rapidly in the feedlot if they receive 1 1/2 to 2 pounds of cake, per head daily, on the grass as it begins to become dry and mature. Calves and steers which are to be marketed from the grass as slaughter cattle need 3 to 7 pounds of cake, per head daily, depending on the quality and amount of forage and the desired rate of gain. Brood cows will carry more flesh into the fall and winter season and will be in condition to produce larger, healthier calves and a better milk flow if they receive 1 to 2 pounds of cake as the grass becomes dry. These amounts are for cattle on pasture where normal season maturity occurs. During severe droughts and critical shortage of pasture forage, more protein is necessary.

President Truman said in his address to the National Health Assembly at Washington, May 1st, that preventive medicine should be given an important place in the national health program. Preventive medicine which includes health protective measures and health promoting programs, are receiving more and more attention as people become aware of the shortage of medical facilities and hospitals, and this attention is especially true of the rural areas where the shortage is more acute.

The program to get out corn meal and grits enriched is one type of preventive medicine, that is of especial benefit to our rural people because they are large consumers of corn meal and grits and are often deficient in the vitamins and minerals supplies in enrichment. The materials used in this enrichment are for the purpose of building good rich blood, quieting our nerves, preventing pellagra, which at one time was very prevalent in the south, protecting our vision, building good teeth, bones, skin, etc.

It is much more satisfactory to use the ounce of prevention that saves the pound of cure, much cheaper to keep our bodies healthy by eating in our foods the health giving vitamins and minerals it needs, than to neglect our diet and lose our health, even if medical care and hospitals were plentiful, and it is far more important when those services are unavailable.

More than 275 corn mills have been equipped in South Carolina by Clemson College, to put these vitamins and minerals in corn meal and grits. In any of the communities where mills have not been thus equipped, the people wanting this service have only to contact the county home or farm agent, and their request will receive prompt attention from Clemson College. It costs only a few pennies per person per year to protect our health in this way and requires only the installation of a small feeder on the local mill to accomplish it.

# 4-H Club Sweeps All Blue Ribbons At State Fair

Greenwood Youngsters Win All First Prizes In 4-H Club Jersey Calf Show, Netting \$262.50; Joe Garvin Receives Grand Champion Award

Greenwood county 4-H youngsters swept the board clean of all honors yesterday in the 4-H Club Jersey Calf Show held at the State Fair in Columbia. It was reportedly the first time in club history that a single county walked off with all the top blue ribbon honors for their entries.

Honors taken by local club members with their Jersey animals included all champions, best-fitted animal and best showman awards. The club came home with \$262.50 in prizes, compared to the \$226 netted at Spartanburg recently. Most of the prize-winning entries and exhibits will be on view at the Greenwood County Fair here next week.

Winner of the junior heifer calf first prize was Carroll Beacham; senior heifer calf, Charles Sperry first and Sarah Mell Hodges, second prize. In the junior yearling competition, Paul Lofton, Jr., took top honors with Joe Langley second, Lenora Cooner, fifth and Billy Dorn sixth.

Winner in the senior yearling division was Earl Goff; two-year-old and over, Joe Garvin first, Bernice May Miller, second and Myron Stockman, fourth.

Joe Garvin took home the grand champion ribbon in addition to first prizes for best-fitted animal and senior champion cow. The junior champion cow award went to Earl Goff. Bernice May Miller's entry took second place in the best-fitted animal judging.

Charles Sperry took the best-shown animal award, with Bernice May Miller second, Joe Garvin third and Sarah Mell Hodges, fourth. In the county group judging (five females), Greenwood county was the winner.

In the open class, Charles Sperry's two-year-old bull won second place and his senior calf took first. Bernice May Miller's three-year-old cow won first place in the open class with Joe Garvin's entry taking second place.

Miriam Garvin entered ten birds in the poultry judging and won two blue, two red and two white ribbons. Bill Hahn entered 25 chickens and was awarded 20 prizes. The 4-H Club took one red and two white ribbons in the corn judging.

Mr. and Mrs. W. O. Noffz of Greenwood took first prize and a blue ribbon for their honey exhibit which will be on display at the Fair here next week.



# County-Wide Drive Against Rats Will Begin Here In March

A communique from the headquarters of the county agent today announces "R-Day" in this county will be some time early in March. On that day an all-out campaign against rats will open in Greenwood county with the idea of eradicating the unwelcome rodents causing a loss estimated at from five to ten million dollars annually in South Carolina.

Poison will be the chief weapon used against the rats, but fumigation, trapping, dogs, cats, sticks, 90 millimeter cannon or anything else that will kill rats will be welcomed in the campaign.

The campaign in this county is part of a state-wide drive against the annual loss of from five to ten million dollars in South Carolina due to rats. It is being conducted under the direction of the County Agent's office, but all farm organizations and agencies in the county are taking part, and Mr. Garvin said that he would welcome the assistance of any civic clubs in any of the towns of the county, as well as the help of the municipalities themselves.

The poison bait chosen in this county is red squill, which will be used with a base of ground fish. This material is not lethal to cats or dogs, but is death on rats. It provides what the campaigners call a "farewell banquet" for rats.

Thirty-one stores in the county have agreed to distribute the poison at the cost of three pounds for one dollar. The stores themselves make no profit on the deal, merely serving as an agency by which the poison, obtained from North Carolina State College at Raleigh, is distributed to the persons who want it. Each of the stores has a form where those desiring this type poison can sign and pay their dollar. Since the material comes in a frozen form and there is no place to store it, this is the only method that can be used, and it can be obtained only by signing between now and February 25, when the forms will be collected and the order sent in.

## Anybody Can Buy It

There will be a delay of about ten days in receiving the poison, after which the county-wide campaign will start. Mr. Garvin said that anybody in the county, town as well as rural, is welcome to get the poison. Three pounds is sufficient for almost any farm, he said.

The following places have forms where those wanting the poison can sign and later pick up their material: County agent's office in the court house; M. A. Jones, Woodlawn; J. J. Chafin, Promiseland; E. M. Henderson, Verdery; Neil Steifle, Bradley; J. M. Cox, Troy;

(Continued On Page Eight)

## (Continued From Page One)

T. B. Anderson, Connie Maxwell; J. W. Deason, Mt. Moriah; W. W. Hall, Rileys; Planters Hardware Co., Greenwood; John Rampy, Hodges; W. W. Luquire, Breezewood; Otto Rush, Callison; Earl Gilledge, Kirksey; L. E. White, Route two; B. B. Rhodes, Epworth; John D. Banister, Augusta Highway; T. L. Coleman, New Market; Amos Horn, Sand Ridge; Ware Shoals Dept. Store, Ware Shoals; Southside Mercantile Co., South Greenwood; Robinson Grocery, Shoals Junction; L. L. Hasting, Oak Grove; Yates Wyant, Cambridge; E. J. Smith, Cambridge; Ninety Six Hardware Co., Ninety Six; J. R. Werts and Co., Ninety Six; Greenwood Co-Op, Laurens highway; W. C. Smith's, Coronaca; J. F. Norman, Stony Point; Burch's Feed and Hatchery, Greenwood.